

FCC SAR Test Report

Report No. : SA210603W002
Applicant : Lenovo(Shanghai) Electronics Technology Co., Ltd.
Address : Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone
Product : Tablet Computer
FCC ID : O57TBX6C6NBL
Brand : Lenovo
Model No. : Lenovo TB-X6C6NBL
Standards : FCC 47 CFR Part 2 (2.1093) / IEEE C95.1:1992 / IEEE 1528:2013
KDB 865664 D01 v01r04 / KDB 865664 D02 v01r02 / KDB 248227 D01 v02r02
KDB 447498 D01 v06 / KDB 616217 D04 v01r02 / KDB 941225 D01 v03r01
KDB 941225 D05 v02r05
Sample Received Date : Jun. 03, 2021
Date of Testing : Jun. 11, 2021 ~ Jun. 15, 2021
FCC Designation No. : CN1171

CERTIFICATION: The above equipment have been tested by **BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by A2LA or any government agencies.

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Release Control Record

Report No.	Reason for Change	Date Issued
SA210603W002	Initial release	Apr. 22, 2021
SA210603W002	Based on the original report SA210222W001, remove the battery, change the hardware and software version, model name, product name, FCC ID. The worse cases of original report was verified.	Jun. 30, 2021

1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported Body SAR _{1g} (W/kg)
PCB	GSM850	0.25
	GSM1900	1.13
	WCDMA II	1.02
	WCDMA IV	1.06
	WCDMA V	0.62
	LTE 5	0.45
	LTE 12 / 17	0.85
	LTE 13	0.62
	LTE 14	0.58
	LTE 25 / 2	1.15
	LTE 30	0.77
	LTE 66 / 4	1.11
LTE 71	0.93	
DTS	2.4G WLAN	0.94
NII	5.2G WLAN	N/A
	5.3G WLAN	1.08
	5.6G WLAN	0.61
	5.8G WLAN	0.95
DSS	Bluetooth	0.35
Highest Simultaneous Transmission SAR		1.59

Note:

- The SAR limit (**Head & Body: SAR_{1g} 1.6 W/kg, Extremity: SAR_{10g} 4.0 W/kg**) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

2. Description of Equipment Under Test

EUT Type	Tablet Computer
FCC ID	O57TBX6C6NBL
Brand Name	Lenovo
Model Name	Lenovo TB-X6C6NBL
HW Version	Lenovo TB-X6C6NBL
SW Version	TB-X6C6NBL_RF01_210930
Tx Frequency Bands (Unit: MHz)	GSM850 : 824.2 ~ 848.8 GSM1900 : 1850.2 ~ 1909.8 WCDMA Band II : 1852.4 ~ 1907.6 WCDMA Band IV : 1712.4 ~ 1752.6 WCDMA Band V : 826.4 ~ 846.6 LTE Band 2 : 1850.7 ~ 1909.3 (1.4M), 1851.5 ~ 1908.5 (3M), 1852.5 ~ 1907.5 (5M), 1855 ~ 1905 (10M), 1857.5 ~ 1902.5 (15M), 1860 ~ 1900 (20M) LTE Band 4 : 1710.7 ~ 1754.3 (1.4M), 1711.5 ~ 1753.5 (3M), 1712.5 ~ 1752.5 (5M), 1715 ~ 1750 (10M), 1717.5 ~ 1747.5 (15M), 1720 ~ 1745 (20M) LTE Band 5 : 824.7 ~ 848.3 (1.4M), 825.5 ~ 847.5 (3M), 826.5 ~ 846.5 (5M), 829 ~ 844 (10M) LTE Band 12 : 699.7 ~ 715.3 (1.4M), 700.5 ~ 714.5 (3M), 701.5 ~ 713.5 (5M), 704 ~ 711 (10M) LTE Band 13 : 779.5 ~ 784.5 (5M), 782 (10M) LTE Band 14 : 790.5 ~ 795.5 (5M), 793 (10M) LTE Band 17 : 706.5 ~ 713.5 (5M), 709 ~ 711 (10M) LTE Band 25 : 1850.7 ~ 1914.3 (1.4M), 1851.5 ~ 1913.5 (3M), 1852.5 ~ 1912.5 (5M), 1855 ~ 1910 (10M), 1857.5 ~ 1907.5 (15M), 1860 ~ 1905 (20M) LTE Band 30 : 2307.5 ~ 2312.5 (5M), 2310 (10M) LTE Band 66 : 1710.7 ~ 1779.3 (1.4M), 1711.5 ~ 1778.5 (3M), 1712.5 ~ 1777.5 (5M), 1715 ~ 1775 (10M), 1717.5 ~ 1772.5 (15M), 1720 ~ 1770 (20M) LTE Band 71 : 665.5 ~ 695.5 (5M), 668 ~ 693 (10M), 670.5 ~ 690.5 (15M), 673 ~ 688 (20M) WLAN : 2412 ~ 2462, 5180 ~ 5240, 5260 ~ 5320, 5500 ~ 5720, 5745 ~ 5825 Bluetooth : 2402 ~ 2480
Uplink Modulations	WCDMA : QPSK LTE : QPSK, 16QAM 802.11b : DSSS 802.11a/g/n/ac : OFDM Bluetooth : GFSK, $\pi/4$ -DQPSK, 8-DPSK
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 4.5.1 of this report.
Antenna Type	WLAN / BT: PIFA Antenna WWAN: Fixed Internal Antenna
EUT Stage	Identical Prototype

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.
2. This device supports both LTE B2/B4/B17 and B12/B25/B66. Since the supported frequency span for LTE B2/B4/B17 falls completely within the B12/B25/B66, they have the same target power, and share the same transmission path, therefore SAR was only assessed for LTE B12/B25/B66.
3. According to the product equivalence statement provided by the manufacturer for model TB-X6C6L and TB-X6C6NBL, Model TB-X6C6NBL Verify the conducted power and worst case of the original report (SA210222W001, FCC ID: O57TBX6C6L) and show the result on this report.
4. Model TB-X6C6NBL have 2 sample configuration, the 2 sample are verify the worst case and shown on this report in this report

SAMPLE	EUT CONFIGURATION INFORMATION
1	LCD Panel 1+Photo Camera 1+Photo Camera 3+CPU1+EMMC1+DDR1+speaker 1+speaker 2+motor1+Main Broad 1+BT/WLAN Module
2	LCD Panel 2+Photo Camera 2+Photo Camera 4+CPU1+EMMC2+DDR2+speaker 1+speaker 2+motor2+Main Broad 2+BT/WLAN Module

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person’s awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be related to the electrical field in the tissue by

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SPEAG DASY System

DASY system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY5 software defined. The DASY software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion form the optical into digital electric signal of the DAE and transfers data to the PC.

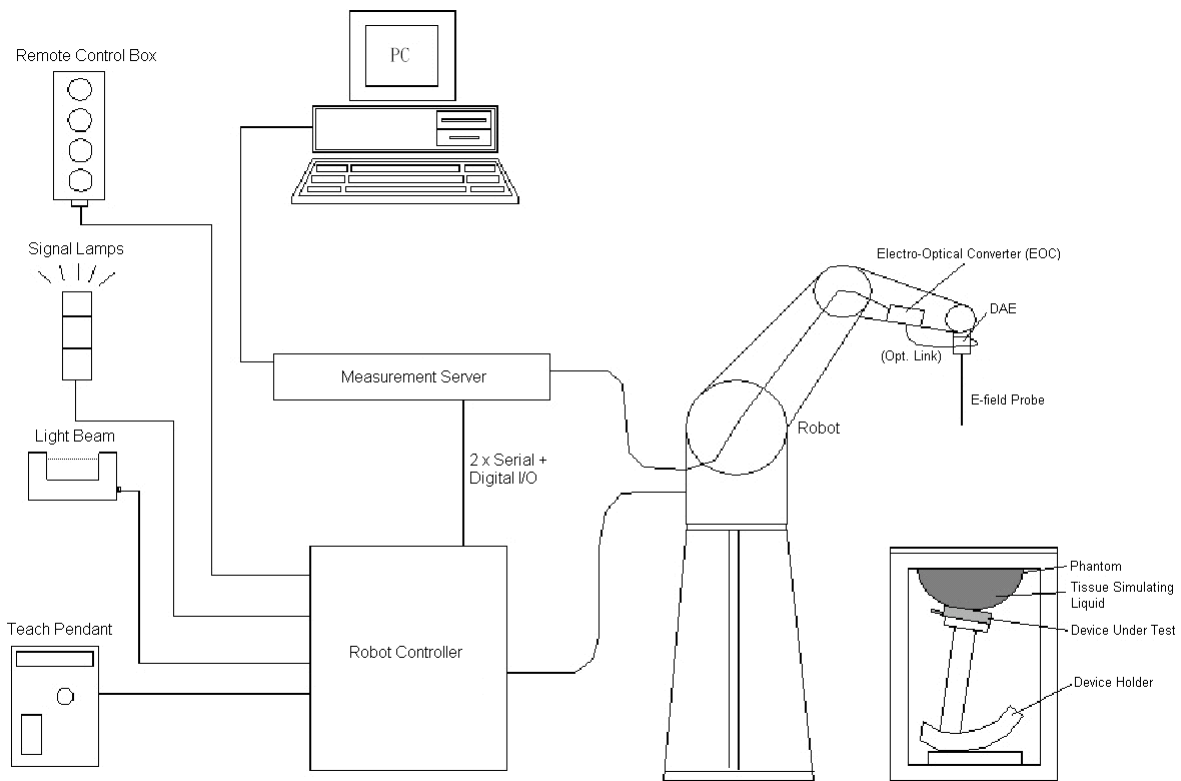


Fig-3.1 DASY System Setup

3.2.1 Robot

The DASY system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ± 0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)





Fig-3.2 DASY5

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3.2.2 Probes

The SAR measurement is conducted with the dosimetric probe. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency.

Model	EX3DV4	
Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 μ W/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	


Model	ES3DV3	
Construction	Symmetrical design with triangular core. Interleaved sensors. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 4 GHz Linearity: ± 0.2 dB	
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	5 μ W/g to 100 mW/g Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm	


3.2.3 Data Acquisition Electronics (DAE)

Model	DAE3, DAE4	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)	
Input Offset Voltage	< 5 μ V (with auto zero)	
Input Bias Current	< 50 fA	
Dimensions	60 x 60 x 68 mm	

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3.2.4 Phantoms


Model	Twin SAM	
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	

Model	ELI	
Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2.0 ± 0.2 mm (bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx. 30 liters	


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3.2.5 Device Holder

Model	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

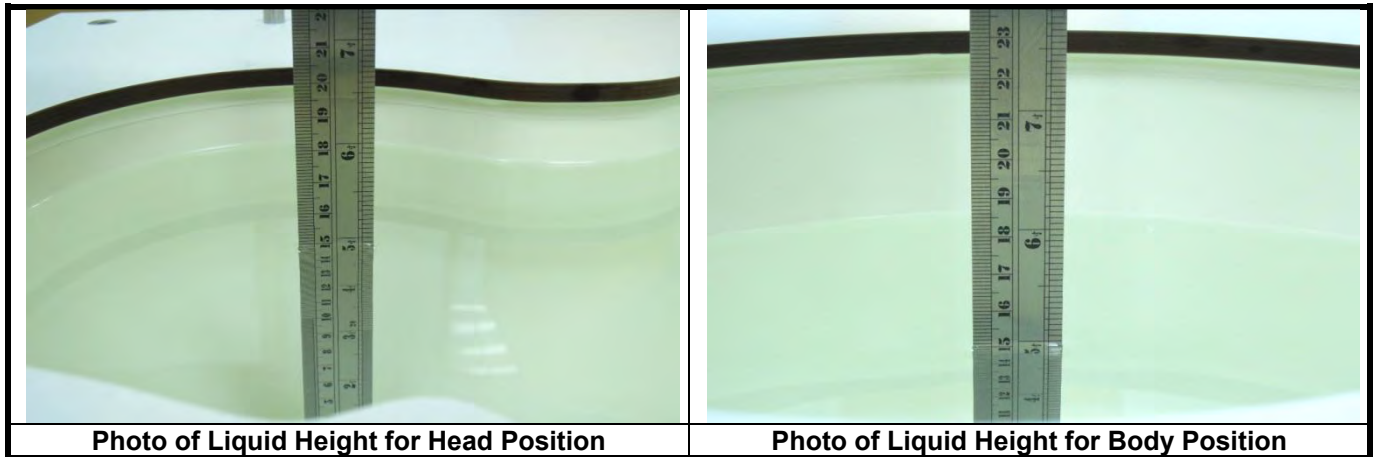
Model	Laptop Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, Foam	

3.2.6 System Validation Dipoles

Model	D-Serial	
Construction	Symmetrical dipole with 1/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.	
Frequency	750 MHz to 5800 MHz	
Return Loss	> 20 dB	
Power Capability	> 100 W (f < 1GHz), > 40 W (f > 1GHz)	

3.2.7 Tissue Simulating Liquids

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in Table-3.1.



The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528, and KDB 865664 D01 Appendix A. For the body tissue simulating liquids, the dielectric properties are defined in KDB 865664 D01 Appendix A. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.

Table-3.1 Targets of Tissue Simulating Liquid

Frequency (MHz)	Target Permittivity	Range of $\pm 5\%$	Target Conductivity	Range of $\pm 5\%$
For Head				
750	41.9	39.8 ~ 44.0	0.89	0.85 ~ 0.93
835	41.5	39.4 ~ 43.6	0.90	0.86 ~ 0.95
900	41.5	39.4 ~ 43.6	0.97	0.92 ~ 1.02
1450	40.5	38.5 ~ 42.5	1.20	1.14 ~ 1.26
1640	40.3	38.3 ~ 42.3	1.29	1.23 ~ 1.35
1750	40.1	38.1 ~ 42.1	1.37	1.30 ~ 1.44
1800	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
1900	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2000	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2300	39.5	37.5 ~ 41.5	1.67	1.59 ~ 1.75
2450	39.2	37.2 ~ 41.2	1.80	1.71 ~ 1.89
2600	39.0	37.1 ~ 41.0	1.96	1.86 ~ 2.06
3500	37.9	36.0 ~ 39.8	2.91	2.76 ~ 3.06
5200	36.0	34.2 ~ 37.8	4.66	4.43 ~ 4.89
5300	35.9	34.1 ~ 37.7	4.76	4.52 ~ 5.00
5500	35.6	33.8 ~ 37.4	4.96	4.71 ~ 5.21
5600	35.5	33.7 ~ 37.3	5.07	4.82 ~ 5.32
5800	35.3	33.5 ~ 37.1	5.27	5.01 ~ 5.53

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The following table gives the recipes for tissue simulating liquids.

Table-3.2 Recipes of Tissue Simulating Liquid

Tissue Type	Bactericide	DGBE	HEC	NaCl	Sucrose	Triton X-100	Water	Diethylene Glycol Mono-hexylether
H750	0.2	-	0.2	1.5	56.0	-	42.1	-
H835	0.2	-	0.2	1.5	57.0	-	41.1	-
H900	0.2	-	0.2	1.4	58.0	-	40.2	-
H1450	-	43.3	-	0.6	-	-	56.1	-
H1640	-	45.8	-	0.5	-	-	53.7	-
H1750	-	47.0	-	0.4	-	-	52.6	-
H1800	-	44.5	-	0.3	-	-	55.2	-
H1900	-	44.5	-	0.2	-	-	55.3	-
H2000	-	44.5	-	0.1	-	-	55.4	-
H2300	-	44.9	-	0.1	-	-	55.0	-
H2450	-	45.0	-	0.1	-	-	54.9	-
H2600	-	45.1	-	0.1	-	-	54.8	-
H3500	-	8.0	-	0.2	-	20.0	71.8	-
H5G	-	-	-	-	-	17.2	65.5	17.3

3.3 SAR System Verification

The system check verifies that the system operates within its specifications. It is performed daily or before every SAR measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.

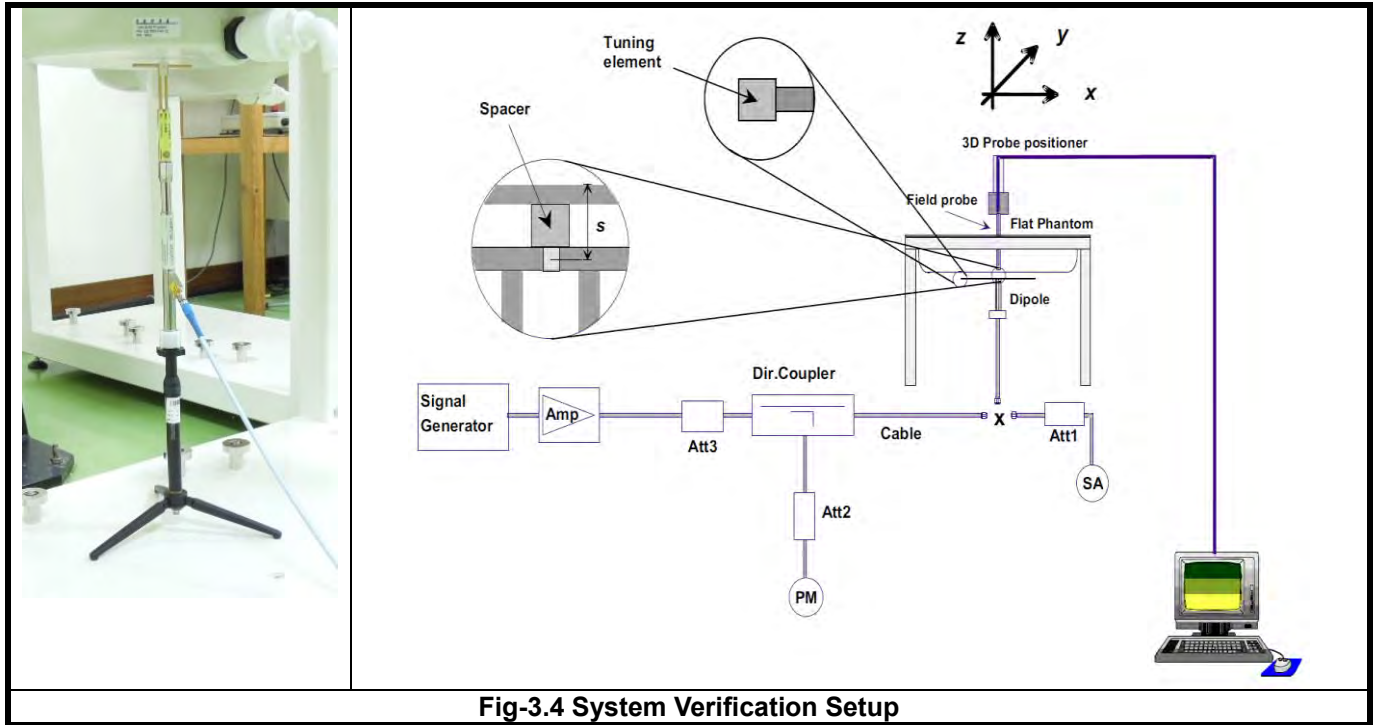


Fig-3.4 System Verification Setup

The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The spectrum analyzer measures the forward power at the location of the system check dipole connector. The signal generator is adjusted for the desired forward power (250 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter.

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

3.4 SAR Measurement Procedure

According to the SAR test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

The SAR measurement procedures for each of test conditions are as follows:

- (a) Make EUT to transmit maximum output power
- (b) Measure conducted output power through RF cable
- (c) Place the EUT in the specific position of phantom
- (d) Perform SAR testing steps on the DASY system
- (e) Record the SAR value

3.4.1 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. According to KDB 865664 D01, the resolution for Area and Zoom scan is specified in the table below.

Items	<= 2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan ($\Delta x, \Delta y$)	<= 15 mm	<= 12 mm	<= 12 mm	<= 10 mm	<= 10 mm
Zoom Scan ($\Delta x, \Delta y$)	<= 8 mm	<= 5 mm	<= 5 mm	<= 4 mm	<= 4 mm
Zoom Scan (Δz)	<= 5 mm	<= 5 mm	<= 4 mm	<= 3 mm	<= 2 mm
Zoom Scan Volume	>= 30 mm	>= 30 mm	>= 28 mm	>= 25 mm	>= 22 mm

Note:

When zoom scan is required and report SAR is <= 1.4 W/kg, the zoom scan resolution of $\Delta x / \Delta y$ (2-3GHz: <= 8 mm, 3-4GHz: <= 7 mm, 4-6GHz: <= 5 mm) may be applied.

3.4.2 Volume Scan Procedure

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

3.4.3 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.

3.4.4 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

3.4.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

4. SAR Measurement Evaluation

4.1 EUT Configuration and Setting

<Considerations Related to Proximity Sensor>

The device supports WWAN, WLAN, and Bluetooth capabilities. It is designed with two proximity sensor which can trigger/not trigger power reduction for GSM/WCDMA/LTE and WLAN on Rear Face Left Side Right Side and Top Side of EUT for SAR compliance. Others RF capability (Bluetooth) have no power reduction. The power levels for all wireless technologies and the power reduction please refer to section 4.5 of this report.

Proximity Sensor Triggering Distances (KDB 616217 D04 §6.2)

The proximity sensor triggering distance was determined per KDB 616217 for rear face and applicable edge. Summary for power verification per distance was tabulated in the below table.

WWAN

Output Power Verification in dBm for EUT Rear Face											
Distance (mm)	19	20	21	20	22	23	24	25	26	27	28
GSM850	24.5	24.5	24.5	24.5	24.5	30.5	30.5	30.5	30.5	30.5	30.5
GSM1900	20.0	20.0	20.0	20.0	20.0	27.5	27.5	27.5	27.5	27.5	27.5
WCDMA II	14.0	14.0	14.0	14.0	14.0	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA IV	14.0	14.0	14.0	14.0	14.0	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA V	17.5	17.5	17.5	17.5	17.5	24.5	24.5	24.5	24.5	24.5	24.5
LTE 2	14.5	14.5	14.5	14.5	14.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 4	14.0	14.0	14.0	14.0	14.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 5	17.5	17.5	17.5	17.5	17.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 12	18.0	18.0	18.0	18.0	18.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 13	19.0	19.0	19.0	19.0	19.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 14	19.5	19.5	19.5	19.5	19.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 17	18.0	18.0	18.0	18.0	18.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 25	14.5	14.5	14.5	14.5	14.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 30	13.5	13.5	13.5	13.5	13.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 66	14.0	14.0	14.0	14.0	14.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 71	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0

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Output Power Verification in dBm for EUT Left Side											
Distance (mm)	5	6	7	8	9	10	11	12	13	14	15
GSM850	24.5	24.5	24.5	24.5	24.5	30.5	30.5	30.5	30.5	30.5	30.5
GSM1900	20.0	20.0	20.0	20.0	20.0	27.5	27.5	27.5	27.5	27.5	27.5
WCDMA II	14.0	14.0	14.0	14.0	14.0	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA IV	14.0	14.0	14.0	14.0	14.0	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA V	17.5	17.5	17.5	17.5	17.5	24.5	24.5	24.5	24.5	24.5	24.5
LTE 2	14.5	14.5	14.5	14.5	14.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 4	14.0	14.0	14.0	14.0	14.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 5	17.5	17.5	17.5	17.5	17.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 12	18.0	18.0	18.0	18.0	18.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 13	19.0	19.0	19.0	19.0	19.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 14	19.5	19.5	19.5	19.5	19.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 17	18.0	18.0	18.0	18.0	18.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 25	14.5	14.5	14.5	14.5	14.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 30	13.5	13.5	13.5	13.5	13.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 66	14.0	14.0	14.0	14.0	14.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 71	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0

Output Power Verification in dBm for EUT Top Side											
Distance (mm)	26	27	28	29	30	31	32	33	34	35	36
GSM850	24.5	24.5	24.5	24.5	24.5	30.5	30.5	30.5	30.5	30.5	30.5
GSM1900	20.0	20.0	20.0	20.0	20.0	27.5	27.5	27.5	27.5	27.5	27.5
WCDMA II	14.0	14.0	14.0	14.0	14.0	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA IV	14.0	14.0	14.0	14.0	14.0	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA V	17.5	17.5	17.5	17.5	17.5	24.5	24.5	24.5	24.5	24.5	24.5
LTE 2	14.5	14.5	14.5	14.5	14.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 4	14.0	14.0	14.0	14.0	14.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 5	17.5	17.5	17.5	17.5	17.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 12	18.0	18.0	18.0	18.0	18.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 13	19.0	19.0	19.0	19.0	19.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 14	19.5	19.5	19.5	19.5	19.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 17	18.0	18.0	18.0	18.0	18.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 25	14.5	14.5	14.5	14.5	14.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 30	13.5	13.5	13.5	13.5	13.5	24.0	24.0	24.0	24.0	24.0	24.0
LTE 66	14.0	14.0	14.0	14.0	14.0	24.0	24.0	24.0	24.0	24.0	24.0
LTE 71	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0

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WLAN

Output Power Verification in dBm for EUT Rear Face											
Distance (mm)	5	6	7	8	9	10	11	12	13	14	15
WLAN2.4G	14.5	14.5	14.5	14.5	14.5	21.0	21.0	21.0	21.0	21.0	21.0
WLAN5.2G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.3G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.6G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.8G	11.0	11.0	11.0	11.0	11.0	20.0	20.0	20.0	20.0	20.0	20.0

Output Power Verification in dBm for EUT Right Side											
Distance (mm)	0	1	2	3	4	5	6	7	8	9	10
WLAN2.4G	14.5	14.5	14.5	14.5	14.5	21.0	21.0	21.0	21.0	21.0	21.0
WLAN5.2G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.3G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.6G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.8G	11.0	11.0	11.0	11.0	11.0	20.0	20.0	20.0	20.0	20.0	20.0

Output Power Verification in dBm for EUT Top Side											
Distance (mm)	11	12	13	14	15	16	17	18	19	20	21
WLAN2.4G	14.5	14.5	14.5	14.5	14.5	21.0	21.0	21.0	21.0	21.0	21.0
WLAN5.2G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.3G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.6G	10.0	10.0	10.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0
WLAN5.8G	11.0	11.0	11.0	11.0	11.0	20.0	20.0	20.0	20.0	20.0	20.0

Proximity Sensor Coverage (KDB 616217 D04 §6.3)

Since the proximity sensor is collocated with antenna in one component, the procedure for proximity sensor coverage is not required.

Proximity Sensor Tilt Angle Influences(KDB 616217 D04 §6.4)

The proximity sensor tilt angle influence was determined per KDB 616217 for applicable edge. Summary for proximity sensor tilt angle influence is shown in below.

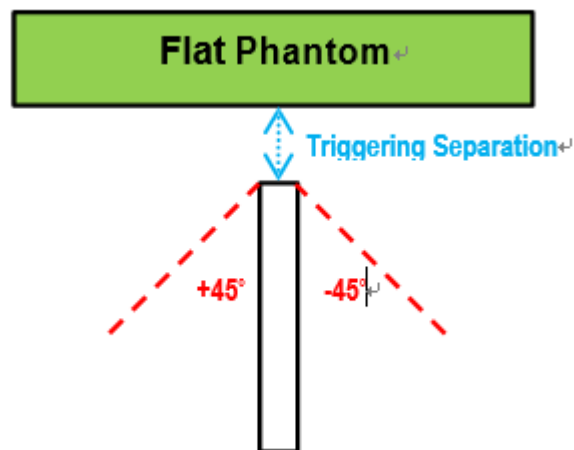
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WWAN

Orientation	Separation Distance (mm)	Tilt Angle										
		-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°
Top Side	26	On	On	On	On	On	On	On	On	On	On	On
Left Side	9	On	On	On	On	On	On	On	On	On	On	On

WLAN

Orientation	Separation Distance (mm)	Tilt Angle										
		-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°
Top Side	13	On	On	On	On	On	On	On	On	On	On	On
Right Side	4	On	On	On	On	On	On	On	On	On	On	On



Summary for Proximity Sensor Triggering Test

According to the procedures noticed in KDB 616217 D04,

The WWAN for proximity sensor triggering distance is 22 mm for EUT Rear Face, 9 mm for EUT Left Side and 30 mm for Top Side. The separation distance of 26 mm / 9 mm determined by the smallest triggering distance on Top Side Left Side is used to access the tilt angle influence and the sensor does not release during ± 45 degree. Therefore, the smallest separation distance for tilt angle influence is 26 mm for the Top Side and 9 mm for the Left Side. The conservation triggering distances based on the separation distance for the sensor trigger / not triggered as EUT with power reduction at 0 mm, and EUT without power reduction at 15 mm for EUT Rear Face, 8 mm for EUT Left Side and 25 mm for Top Side were used to test SAR.

The WLAN for proximity sensor triggering distance is 9 mm for EUT Rear Face, 4 mm for EUT Right Side and 15 mm for Top Side. The separation distance of 13 mm / 4 mm determined by the smallest triggering distance on Top Side Right Side is used to access the tilt angle influence and the sensor does not release during ± 45 degree. Therefore, the smallest separation distance for tilt angle influence is 13 mm for the Top Side and 4 mm for the Right Side. The conservation triggering distances based on the separation distance for the sensor trigger / not triggered as EUT with power reduction at 0 mm, and EUT without power reduction at 8 mm for EUT Rear Face, 3 mm for EUT Right Side and 12 mm for Top Side were used to test SAR.

The power reduction is depends on the proximity sensor input. For a steady SAR test, the power reduction was enabled or disabled manually by engineering software during SAR testing.

<Connections between EUT and System Simulator>

For WWAN SAR testing, the EUT was linked and controlled by base station emulator (Agilent E5515C is used for GSM/WCDMA/CDMA, and Anritsu MT8820C is used for LTE). Communication between the EUT and the emulator was established by air link. The distance between the EUT and the communicating antenna of the emulator is larger than 50 cm and the output power radiated from the emulator antenna is at least 30 dB smaller than the output power of EUT. The EUT was set from the emulator to radiate maximum output power during SAR testing.

<Considerations Related to GSM / GPRS / EDGE for Setup and Testing>

The maximum multi-slot capability supported by this device is as below.

1. This EUT is class B device
2. This EUT supports GPRS multi-slot class 12 (max. uplink: 4, max. downlink: 4, total timeslots: 5)
3. This EUT supports EDGE multi-slot class 12 (max. uplink: 4, max. downlink: 4, total timeslots: 5)

For GSM850 frequency band, the power control level is set to 5 for GSM mode and GPRS (GMSK: CS1), and set to 8 for EDGE (GMSK: MCS1, 8PSK: MCS9). For GSM1900 frequency band, the power control level is set to 0 for GSM mode and GPRS (GMSK: CS1), and set to 2 for EDGE (GMSK: MCS1, 8PSK: MCS9).

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

<Considerations Related to WCDMA for Setup and Testing>

WCDMA Handsets Body-worn SAR

SAR for body-worn configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH_n configurations supported by the handset with 12.2 kbps RMC as the primary mode.

Handsets with Release 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures in the "Release 5 HSDPA Data Devices", for the highest reported SAR body-worn exposure configuration in 12.2 kbps RMC. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

Handsets with Release 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures in the "Release 6 HSPA Data Devices", for the highest reported body-worn exposure SAR configuration in 12.2 kbps RMC. When VOIP is applicable for next to the ear head exposure in HSPA, the 3G SAR test reduction procedure is applied to HSPA with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body-worn measurements is tested for next to the ear head exposure.

Release 5 HSDPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH / HS-PDSCHs, HARQ processes,

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minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors (β_c , β_d), and HS-DPCCH power offset parameters (Δ_{ACK} , Δ_{NACK} , Δ_{CQI}) are set according to values indicated in below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	$\beta_{hs}^{(1)}$	CM (dB) ⁽²⁾	MPR
1	2 / 15	15 / 15	64	2 / 15	4 / 15	0.0	0
2	12 / 15 ⁽³⁾	15 / 15 ⁽³⁾	64	12 / 15 ⁽³⁾	24 / 15	1.0	0
3	15 / 15	8 / 15	64	15 / 8	30 / 15	1.5	0.5
4	15 / 15	4 / 15	64	15 / 4	30 / 15	1.5	0.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs} / \beta_c = 30 / 15 \Leftrightarrow \beta_{hs} = 30 / 15 * \beta_c$.
 Note 2: CM = 1 for $\beta_c / \beta_d = 12 / 15$, $\beta_{hs} / \beta_c = 24 / 15$.
 Note 3: For subtest 2 the β_c / β_d ratio of 12 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11 / 15$ and $\beta_d = 15 / 15$.

Release 6 HSUPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode. Otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing. Due to inner loop power control requirements in HSPA, a communication test set is required for output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA are configured according to the β values indicated in below.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	$\beta_{hs}^{(1)}$	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM ⁽²⁾ (dB)	MPR (dB)	AG ⁽⁴⁾ Index	E-TFCI
1	11 / 15 ⁽³⁾	15 / 15 ⁽³⁾	64	11 / 15 ⁽³⁾	22 / 15	209 / 225	1039 / 225	4	1	1.0	0.0	20	75
2	6 / 15	15 / 15	64	6 / 15	12 / 15	12 / 15	94 / 75	4	1	3.0	2.0	12	67
3	15 / 15	9 / 15	64	15 / 9	30 / 15	30 / 15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4	2	2.0	1.0	15	92
4	2 / 15	15 / 15	64	2 / 15	4 / 15	2 / 15	56 / 75	4	1	3.0	2.0	17	71
5	15 / 15 ⁽⁴⁾	15 / 15 ⁽⁴⁾	64	15 / 15 ⁽⁴⁾	30 / 15	24 / 15	134 / 15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs} / \beta_c = 30 / 15 \Leftrightarrow \beta_{hs} = 30 / 15 * \beta_c$.
 Note 2: CM = 1 for $\beta_c / \beta_d = 12 / 15$, $\beta_{hs} / \beta_c = 24 / 15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
 Note 3: For subtest 1 the β_c / β_d ratio of 11 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10 / 15$ and $\beta_d = 15 / 15$.
 Note 4: For subtest 5 the β_c / β_d ratio of 15 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14 / 15$ and $\beta_d = 15 / 15$.
 Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
 Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

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<Considerations Related to LTE for Setup and Testing>

This device contains LTE transmitter which follows 3GPP standards, is category 3, supports both QPSK and 16QAM modulations, and supported LTE band and channel bandwidth is listed in below. The output power was tested per 3GPP TS 36.521-1 maximum transmit procedures for both QPSK and 16QAM modulation. The results please refer to section 4.6 of this report.

EUT Supported LTE Band and Channel Bandwidth						
LTE Band	BW 1.4 MHz	BW 3 MHz	BW 5 MHz	BW 10 MHz	BW 15 MHz	BW 20 MHz
2	V	V	V	V	V	V
4	V	V	V	V	V	V
5	V	V	V	V		
12	V	V	V	V		
13			V	V		
14			V	V		
17			V	V		
25	V	V	V	V	V	V
30			V	V		
66	V	V	V	V	V	V
71		V	V	V	V	V

The LTE maximum power reduction (MPR) in accordance with 3GPP TS 36.101 is active all times during LTE operation. The allowed MPR for the maximum output power is specified in below.

Modulation	Channel Bandwidth / RB Configurations						LTE MPR Setting (dB)
	BW 1.4 MHz	BW 3 MHz	BW 5 MHz	BW 10 MHz	BW 15 MHz	BW 20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	1
16QAM	<= 5	<= 4	<= 8	<= 12	<= 16	<= 18	1
16QAM	> 5	> 4	> 8	> 12	> 16	> 18	2

Note: MPR is according to the standard and implemented in the circuit (mandatory).

In addition, the device is compliant with additional maximum power reduction (A-MPR) requirements defined in 3GPP TS 36.101 section 6.2.4 that was disabled for all FCC compliance testing.

During LTE SAR testing, the related parameters of operating band, channel bandwidth, uplink channel number, modulation type, and RB was set in base station simulator. When the EUT has registered and communicated to base station simulator, the simulator set to make EUT transmitting the maximum radiated power.

<Considerations Related to WLAN for Setup and Testing>

In general, various vendor specific external test software and chipset based internal test modes are typically used for SAR measurement. These chipset based test mode utilities are generally hardware and manufacturer dependent, and often include substantial flexibility to reconfigure or reprogram a device. A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic transmission duty factor is required for current generation SAR systems to measure SAR correctly. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

According to KDB 248227 D01, this device has installed WLAN engineering testing software which can provide continuous transmitting RF signal. During WLAN SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

Initial Test Configuration

An initial test configuration is determined for OFDM transmission modes in 2.4 GHz and 5 GHz bands according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.

Subsequent Test Configuration

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. When the highest reported SAR for the initial test configuration according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

SAR Test Configuration and Channel Selection

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is using largest channel bandwidth, lowest order modulation, lowest data rate, and lowest order 802.11 mode (i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n). After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

1) The channel closest to mid-band frequency is selected for SAR measurement.

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2) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Test Reduction for U-NII-1 (5.2 GHz) and U-NII-2A (5.3 GHz) Bands

For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following.

1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition).

2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

<Considerations Related to Bluetooth for Setup and Testing>

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

4.2 EUT Testing Position

4.2.1 Body Exposure Conditions

This variant report is made for verification. All the worst SAR configurations specified in the original SAR report was repeated and verified to ensure the device remains compliant.

For full-size tablet, according to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.

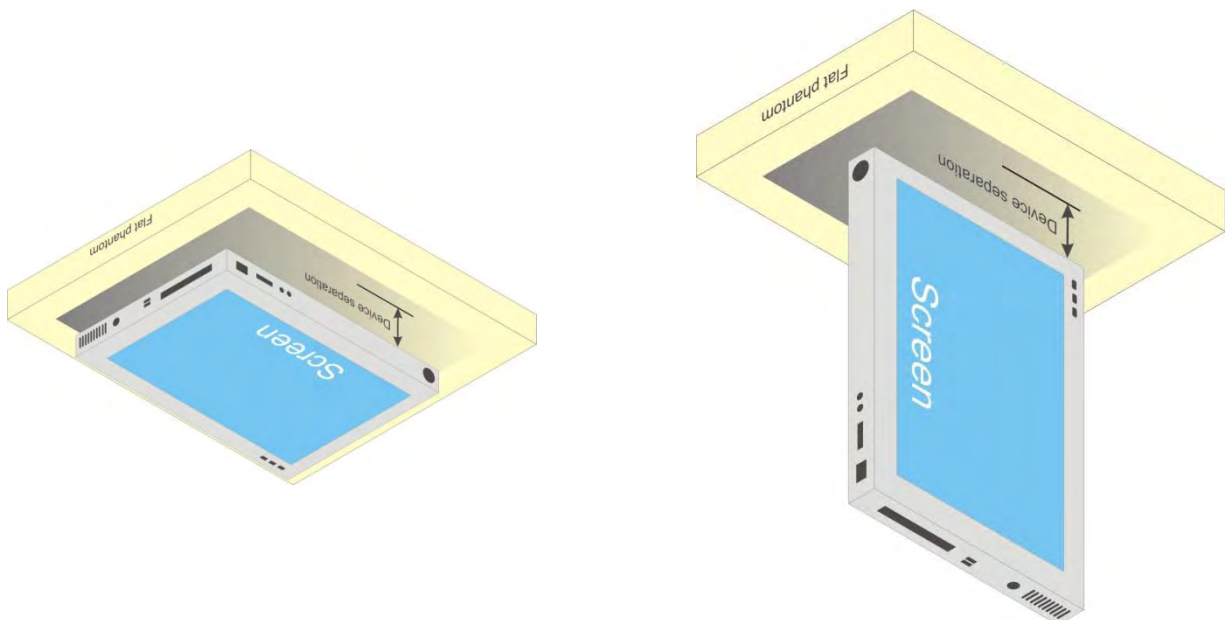


Fig-4.1 Illustration for Tablet Setup

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4.2.2 SAR Test Exclusion Evaluations

According to KDB 447498 D01, the SAR test exclusion condition is based on source-based time-averaged maximum conducted output power, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The SAR exclusion threshold is determined by the following formula.

1. For the test separation distance ≤ 50 mm

$$\frac{\text{Max. Tune up Power}_{(mW)}}{\text{Min. Test Separation Distance}_{(mm)}} \times \sqrt{f_{(GHz)}} \leq 3.0 \text{ for SAR-1g, } \leq 7.5 \text{ for SAR-10g}$$

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2. For the test separation distance > 50 mm, and the frequency at 100 MHz to 1500 MHz

$$\left[(\text{Threshold at 50 mm in Step 1}) + (\text{Test Separation Distance} - 50 \text{ mm}) \times \left(\frac{f_{(MHz)}}{150} \right) \right]_{(mW)}$$

3. For the test separation distance > 50 mm, and the frequency at > 1500 MHz to 6 GHz

$$[(\text{Threshold at 50 mm in Step 1}) + (\text{Test Separation Distance} - 50 \text{ mm}) \times 10]_{(mW)}$$

Exposure Position	Wireless Interface	GPRS 850 Class 12	GPRS 1900 Class 12	WCDMA Band V	WCDMA Band IV	WCDMA Band II	LTE Band 71	LTE Band 12	LTE Band 17	LTE Band 13	LTE Band 5
	Calculated Frequency	848MHz	1909MHz	846MHz	1750MHz	1907MHz	695MHz	715MHz	713MHz	784MHz	848MHz
	Maximum power (dBm)	27.5	24.5	24.50	24.5	24.5	24	24	24	24	24
	Maximum rated power(mW)	562.0	282.0	282.0	282.0	282.0	251.0	251.0	251.0	251.0	251.0
Rear Face	Separation distance(mm)	0									
	exclusion threshold	103.5	77.9	51.9	74.6	77.9	41.9	42.5	42.4	44.5	46.2
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Top Side	Separation distance(mm)	0									
	exclusion threshold	103.5	77.9	51.9	74.6	77.9	41.9	42.5	42.4	44.5	46.2
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Right Side	Separation distance(mm)	94.2									
	exclusion threshold	413.0	551.0	412.0	555.0	551.0	385.0	388.0	388.0	400.0	413.0
	Testing required?	Yes	No	No	No	No	No	No	No	No	No
Bottom Side	Separation distance(mm)	237.4									
	exclusion threshold	1222.0	1983.0	1220.0	1987.0	1983.0	1048.0	1071.0	1068.0	1149.0	1222.0
	Testing required?	No	No	No	No	No	No	No	No	No	No
Left Side	Separation distance(mm)	4.8									
	exclusion threshold	103.5	77.9	51.9	74.6	77.9	41.9	42.5	42.4	44.5	46.2
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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Exposure Position	Wireless Interface	LTE Band 4	LTE Band 14	LTE Band 66	LTE Band 2	LTE Band 25	LTE Band 30	BT	2.4GHz WLAN	5GHz WLAN
	Calculated Frequency	1754MHz	795MHz	1779MHz	1909MHz	1914MHz	2312MHz	2480MHz	2462MHz	5825MHz
	Maximum power (dBm)	24	24	24	24	24	24	9.5	21	20
	Maximum rated power(mW)	251.0	251.0	251.0	251.0	251.0	251.0	9.0	126.0	100.0
Rear Face	Separation distance(mm)	0.0						0		
	exclusion threshold	66.5	46.2	67.0	69.4	69.5	76.3	2.8	39.5	48.3
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Top Side	Separation distance(mm)	0.0						0		
	exclusion threshold	66.5	46.2	67.0	69.4	69.5	76.3	2.8	39.5	48.3
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Right Side	Separation distance(mm)	94.2						4.7		
	exclusion threshold	555.0	413.0	554.0	551.0	550.0	541.0	2.8	39.5	48.3
	Testing required?	No	No	No	No	No	No	No	Yes	Yes
Bottom Side	Separation distance(mm)	237.4						237.4		
	exclusion threshold	1987.0	1222.0	1986.0	1983.0	1982.0	1973.0	1969.0	1970.0	1936.0
	Testing required?	No	No	No	No	No	No	No	No	No
Left Side	Separation distance(mm)	4.8						103.3		
	exclusion threshold	66.5	46.2	67.0	69.4	69.5	76.3	628.0	628.0	595.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

Note:

1. When separation distance ≤ 50 mm and the calculated result shown in above table is ≤ 3.0 for SAR-1g exposure condition, or ≤ 7.5 for SAR-10g exposure condition, the SAR testing exclusion is applied.
2. When separation distance > 50 mm and the device output power is less than the calculated result (power threshold, mW) shown in above table, the SAR testing exclusion is applied

4.2.3 Simultaneous Transmission Possibilities

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
1	WWAN + WLAN2.4G	Yes
2	WWAN + WLAN5G	Yes
3	WWAN + BT	Yes
4	WLAN5G + BT	Yes
5	WWAN+WLAN5G + BT	Yes

Note :

1. The 2.4G WLAN and 5G WLAN cannot transmit simultaneously.
2. The 2.4G WLAN and BT cannot transmit simultaneously.

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4.3 Tissue Verification

The measuring results for tissue simulating liquid are shown as below.

Test Date	Tissue Type	Frequency (MHz)	Liquid Temp. (°C)	Measured Conductivity (σ)	Measured Permittivity (ϵ_r)	Target Conductivity (σ)	Target Permittivity (ϵ_r)	Conductivity Deviation (%)	Permittivity Deviation (%)
Jun. 11, 2021	Head	750	22.6	0.892	41.078	0.89	41.90	0.22	-1.96
Jun. 11, 2021	Head	835	22.4	0.888	42.692	0.90	41.50	-1.33	2.87
Jun. 12, 2021	Head	1750	22.2	1.364	40.367	1.37	40.10	-0.44	0.67
Jun. 12, 2021	Head	1900	22.4	1.454	41.519	1.40	40.00	3.86	3.80
Jun. 13, 2021	Head	2300	22.6	1.662	39.153	1.67	39.50	-0.48	-0.88
Jun. 13, 2021	Head	2450	22.3	1.777	40.205	1.80	39.20	-1.28	2.56
Jun. 14, 2021	Head	5250	22.3	4.595	36.652	4.71	35.90	-2.44	2.09
Jun. 14, 2021	Head	5600	22.5	5.002	36.115	5.07	35.50	-1.34	1.73
Jun. 15, 2021	Head	5800	22.4	5.229	35.779	5.27	35.30	-0.78	1.36

Note:

The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within $\pm 5\%$ of the target values. Liquid temperature during the SAR testing must be within $\pm 2^\circ\text{C}$.

4.4 System Verification

The measuring result for system verification is tabulated as below.

Test Date	Mode	Frequency (MHz)	1W Target SAR-1g (W/kg)	Measured SAR-1g (W/kg)	Normalized to 1W SAR-1g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Jun. 11, 2021	Head	835	8.21	2.15	8.60	4.75	1067	3873	1341
Jun. 11, 2021	Head	835	9.69	2.40	9.60	-0.93	4d139	3873	1341
Jun. 12, 2021	Head	1750	35.60	9.19	36.76	3.26	1071	3873	1341
Jun. 12, 2021	Head	1900	39.40	10.30	41.20	4.57	5d159	3873	1341
Jun. 13, 2021	Head	2300	48.90	12.10	48.40	-1.02	1053	3873	1341
Jun. 13, 2021	Head	2450	53.10	14.00	56.00	5.46	893	3873	1341
Jun. 14, 2021	Head	5250	79.00	8.20	82.00	3.80	1133	3873	1341
Jun. 14, 2021	Head	5600	84.30	8.73	87.30	3.56	1133	3873	1341
Jun. 15, 2021	Head	5800	81.10	8.17	81.70	0.74	1133	3873	1341

Note:

Comparing to the reference SAR value provided by SPEAG, the validation data should be within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots can be referred to Appendix A of this report.

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4.5 Maximum Output Power

4.5.1 Maximum Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

Mode	GSM850 (without Power Reduction)	GSM850 (with Power Reduction)
GPRS (GMSK, 1Tx-slot)	33.5	30.5
GPRS (GMSK, 2Tx-slot)	33.0	27.5
GPRS (GMSK, 3Tx-slot)	31.0	25.5
GPRS (GMSK, 4Tx-slot)	30.5	24.5
EDGE (8PSK, 1Tx-slot)	27.5	27.5
EDGE (8PSK, 2Tx-slot)	26.5	26.5
EDGE (8PSK, 3Tx-slot)	24.5	24.5
EDGE (8PSK, 4Tx-slot)	23.5	23.5

Mode	GSM1900 (without Power Reduction)	GSM1900 (with Power Reduction)
GPRS (GMSK, 1Tx-slot)	30.5	25.5
GPRS (GMSK, 2Tx-slot)	29.5	23.0
GPRS (GMSK, 3Tx-slot)	28.0	21.0
GPRS (GMSK, 4Tx-slot)	27.5	20.0
EDGE (8PSK, 1Tx-slot)	26.5	25.0
EDGE (8PSK, 2Tx-slot)	25.0	22.0
EDGE (8PSK, 3Tx-slot)	22.5	20.0
EDGE (8PSK, 4Tx-slot)	21.5	19.0

Mode	WCDMA Band II (without Power Reduction)	WCDMA Band II (with Power Reduction)
RMC 12.2K	24.5	14.0
HSDPA	23.5	13.0
DC-HSDPA	23.5	13.0
HSUPA	21.5	11.0
HSPA+	22.5	12.0

Mode	WCDMA Band IV (without Power Reduction)	WCDMA Band IV (with Power Reduction)
RMC 12.2K	24.5	14.0
HSDPA	23.5	13.0
DC-HSDPA	23.5	13.0
HSUPA	21.5	11.0
HSPA+	22.5	12.0

Mode	WCDMA Band V (without Power Reduction)	WCDMA Band V (with Power Reduction)
RMC 12.2K	24.5	17.5
HSDPA	23.5	16.5
DC-HSDPA	23.5	16.5
HSUPA	21.5	14.5
HSPA+	22.5	15.5

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Mode	LTE 2 (without Power Reduction)	LTE 2 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	14.5 / 14.5

Mode	LTE 4 (without Power Reduction)	LTE 4 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	14.0 / 14.0

Mode	LTE 5 (without Power Reduction)	LTE 5 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	17.5 / 17.5

Mode	LTE 12 (without Power Reduction)	LTE 12 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	18.0 / 18.0

Mode	LTE 13 (without Power Reduction)	LTE 13 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	19.0 / 19.0

Mode	LTE 14 (without Power Reduction)	LTE 14 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	19.5 / 19.5

Mode	LTE 17 (without Power Reduction)	LTE 17 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	18.0 / 18.0

Mode	LTE 25 (without Power Reduction)	LTE 25 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	14.5 / 14.5

Mode	LTE 30 (without Power Reduction)	LTE 30 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	13.5 / 13.5

Mode	LTE 66 (without Power Reduction)	LTE 66 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	14.0 / 14.0

Mode	LTE 71 (without Power Reduction)	LTE 71 (with Power Reduction)
QPSK / 16QAM	24.0 / 23.0	20.0 / 20.0

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2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit (without Power Reduction)	Tune-Up Limit (with Power Reduction)
	802.11b 1Mbps	1	2412	21.00	14.50
		6	2437	21.00	14.50
		11	2462	21.00	14.50
	802.11g 6Mbps	1	2412	20.50	14.00
		6	2437	20.50	14.00
		11	2462	20.50	14.00
	802.11n-HT20 MCS0	1	2412	19.50	14.00
		6	2437	19.50	14.00
		11	2462	19.50	14.00
802.11n-HT40 MCS0	3	2422	18.50	13.50	
	6	2437	18.50	13.50	
	9	2452	18.50	13.50	

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit (without Power Reduction)	Tune-Up Limit (with Power Reduction)
	802.11a 6Mbps	36	5180	20.00	10.00
		40	5200	20.00	10.00
		44	5220	20.00	10.00
		48	5240	20.00	10.00
	802.11n-HT20 MCS0	36	5180	20.00	10.00
		40	5200	20.00	10.00
		44	5220	20.00	10.00
		48	5240	20.00	10.00
	802.11n-HT40 MCS0	38	5190	19.00	9.50
		46	5230	19.00	9.50
	802.11ac-VHT20 MCS0	36	5180	20.00	10.00
		40	5200	20.00	10.00
		44	5220	20.00	10.00
		48	5240	20.00	10.00
	802.11ac-VHT40 MCS0	38	5190	19.00	9.50
		46	5230	19.00	9.50
	802.11ac-VHT80 MCS0	42	5210	18.00	9.50

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	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
				(without Power Reduction)	(with Power Reduction)
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.00	10.00
		56	5280	20.00	10.00
		60	5300	20.00	10.00
		64	5320	20.00	10.00
	802.11n-HT20 MCS0	52	5260	20.00	10.00
		56	5280	20.00	10.00
		60	5300	20.00	10.00
		64	5320	20.00	10.00
	802.11n-HT40 MCS0	54	5270	19.00	9.50
		62	5310	19.00	9.50
	802.11ac-VHT20 MCS0	52	5260	20.00	10.00
		56	5280	20.00	10.00
		60	5300	20.00	10.00
		64	5320	20.00	10.00
	802.11ac-VHT40 MCS0	54	5270	19.00	9.50
		62	5310	19.00	9.50
802.11ac-VHT80 MCS0	58	5290	18.00	9.50	

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	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
				(without Power Reduction)	(with Power Reduction)
5.6GHz WLAN	802.11a 6Mbps	100	5500	20.00	10.00
		116	5580	20.00	10.00
		124	5620	20.00	10.00
		132	5660	20.00	10.00
		140	5700	20.00	10.00
		144	5720	20.00	10.00
	802.11n-HT20 MCS0	100	5500	20.00	10.00
		116	5580	20.00	10.00
		124	5620	20.00	10.00
		132	5660	20.00	10.00
		140	5700	20.00	10.00
		144	5720	20.00	10.00
	802.11n-HT40 MCS0	102	5510	19.00	9.50
		110	5550	19.00	9.50
		126	5630	19.00	9.50
		134	5670	19.00	9.50
		142	5710	19.00	9.50
	802.11ac-VHT20 MCS0	100	5500	20.00	10.00
		116	5580	20.00	10.00
		124	5620	20.00	10.00
		132	5660	20.00	10.00
		140	5700	20.00	10.00
		144	5720	20.00	10.00
	802.11ac-VHT40 MCS0	102	5510	19.00	9.50
		110	5550	19.00	9.50
		126	5630	19.00	9.50
		134	5670	19.00	9.50
		142	5710	19.00	9.50
	802.11ac-VHT80 MCS0	106	5530	18.00	9.50
		122	5610	18.00	9.50
138		5690	18.00	9.50	

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5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Tune-Up Limit (without Power Reduction)	Tune-Up Limit (with Power Reduction)
	802.11a 6Mbps	149	5745	20.00	11.00
		157	5785	20.00	11.00
		165	5825	20.00	11.00
	802.11n-HT20 MCS0	149	5745	20.00	11.00
		157	5785	20.00	11.00
		165	5825	20.00	11.00
	802.11n-HT40 MCS0	151	5755	19.00	10.50
		159	5795	19.00	10.50
	802.11ac-VHT20 MCS0	149	5745	20.00	10.50
157		5785	20.00	10.50	
165		5825	20.00	10.50	
802.11ac-VHT40 MCS0	151	5755	19.00	10.00	
	159	5795	19.00	10.00	
802.11ac-VHT80 MCS0	155	5775	18.00	10.00	

Mode	2.4G Bluetooth
GFSK	9.5
$\pi/4$ -DQPSK	6.5
8-DPSK	6.5
LE	-2.0

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4.5.2 Measured Conducted Power Result

The measuring conducted average power (Unit: dBm) is shown as below.

Band	GSM850			GSM1900		
Channel	128	189	251	512	661	810
Frequency (MHz)	824.2	836.4	848.8	1850.2	1880.0	1909.8
EUT without Power Reduction (P-Sensor NOT Triggered)						
Maximum Burst-Averaged Output Power						
GPRS (GMSK, 1Tx-slot)	32.30	32.29	32.28	29.61	29.62	29.44
GPRS (GMSK, 2Tx-slot)	31.45	31.56	31.47	28.88	28.98	28.81
GPRS (GMSK, 3Tx-slot)	29.73	29.77	29.81	27.25	27.37	27.36
GPRS (GMSK, 4Tx-slot)	28.86	28.94	28.92	26.26	26.44	26.42
EDGE (8PSK, 1Tx-slot)	26.29	26.37	26.47	25.51	25.77	25.96
EDGE (8PSK, 2Tx-slot)	25.17	25.42	25.36	24.33	24.67	24.87
EDGE (8PSK, 3Tx-slot)	23.20	23.36	23.40	22.20	22.55	22.63
EDGE (8PSK, 4Tx-slot)	22.20	22.37	22.30	21.32	21.60	21.59
Maximum Frame-Averaged Output Power						
GPRS (GMSK, 1Tx-slot)	23.30	23.29	23.28	20.61	20.62	20.44
GPRS (GMSK, 2Tx-slot)	25.45	25.56	25.47	22.88	22.98	22.81
GPRS (GMSK, 3Tx-slot)	25.47	25.51	25.55	22.99	23.11	23.10
GPRS (GMSK, 4Tx-slot)	25.86	25.94	25.92	23.26	23.44	23.42
EDGE (8PSK, 1Tx-slot)	17.29	17.37	17.47	16.51	16.77	16.96
EDGE (8PSK, 2Tx-slot)	19.17	19.42	19.36	18.33	18.67	18.87
EDGE (8PSK, 3Tx-slot)	18.94	19.10	19.14	17.94	18.29	18.37
EDGE (8PSK, 4Tx-slot)	19.20	19.37	19.30	18.32	18.60	18.59
EUT with Power Reduction (P-Sensor Triggered)						
Maximum Burst-Averaged Output Power						
GPRS (GMSK, 1Tx-slot)	30.22	30.26	30.27	24.42	24.55	24.56
GPRS (GMSK, 2Tx-slot)	27.37	27.41	27.40	21.92	22.07	22.17
GPRS (GMSK, 3Tx-slot)	25.32	25.37	25.36	20.33	20.50	20.50
GPRS (GMSK, 4Tx-slot)	24.02	24.09	24.07	19.72	19.95	19.97
EDGE (8PSK, 1Tx-slot)	26.01	26.15	26.18	23.83	23.86	23.90
EDGE (8PSK, 2Tx-slot)	24.95	25.16	25.11	21.31	21.37	21.34
EDGE (8PSK, 3Tx-slot)	22.83	23.02	23.02	19.64	19.66	19.73
EDGE (8PSK, 4Tx-slot)	21.71	21.92	21.88	18.80	18.75	18.81
Maximum Frame-Averaged Output Power						
GPRS (GMSK, 1Tx-slot)	21.22	21.26	21.27	15.42	15.55	15.56
GPRS (GMSK, 2Tx-slot)	21.37	21.41	21.40	15.92	16.07	16.17
GPRS (GMSK, 3Tx-slot)	21.06	21.11	21.10	16.07	16.24	16.24
GPRS (GMSK, 4Tx-slot)	21.02	21.09	21.07	16.72	16.95	16.97
EDGE (8PSK, 1Tx-slot)	17.01	17.15	17.18	14.83	14.86	14.90
EDGE (8PSK, 2Tx-slot)	18.95	19.16	19.11	15.31	15.37	15.34
EDGE (8PSK, 3Tx-slot)	18.57	18.76	18.76	15.38	15.40	15.47
EDGE (8PSK, 4Tx-slot)	18.71	18.92	18.88	15.80	15.75	15.81

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Band Channel	WCDMA Band II			WCDMA Band IV			WCDMA Band V			3GPP MPR (dB)
	9262	9400	9538	1312	1413	1513	4132	4182	4233	
Frequency (MHz)	1852.4	1880.0	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	
EUT without Power Reduction (P-Sensor NOT Triggered)										
RMC 12.2K	23.39	23.33	23.31	23.42	23.44	23.40	23.36	23.44	23.55	-
HSDPA Subtest-1	22.58	22.67	22.69	22.55	22.61	22.64	22.33	22.56	22.56	0
HSDPA Subtest-2	22.56	22.66	22.68	22.58	22.68	22.63	22.29	22.59	22.64	0
HSDPA Subtest-3	22.10	22.15	22.15	22.09	22.15	22.21	21.88	22.21	22.13	0.5
HSDPA Subtest-4	22.05	22.16	22.18	22.17	22.14	22.14	21.78	22.03	22.20	0.5
DC-HSDPA Subtest-1	23.04	22.79	22.75	22.66	22.72	22.78	22.32	22.46	22.51	0
DC-HSDPA Subtest-2	22.62	22.73	22.73	22.68	22.75	22.73	22.25	22.50	22.49	0
DC-HSDPA Subtest-3	22.21	22.18	22.26	22.22	22.27	22.22	21.88	22.29	22.06	0.5
DC-HSDPA Subtest-4	22.17	22.27	22.12	22.06	22.10	22.14	21.82	22.10	22.09	0.5
HSUPA Subtest-1	21.70	21.73	21.72	21.74	21.74	21.72	21.55	21.67	21.71	0
HSUPA Subtest-2	21.71	21.72	21.70	21.63	21.53	21.61	21.39	21.63	21.62	2
HSUPA Subtest-3	20.67	20.60	20.71	20.53	20.63	20.62	20.34	20.59	20.55	1
HSUPA Subtest-4	20.67	20.48	20.51	20.60	20.62	20.68	20.27	20.49	20.57	2
HSUPA Subtest-5	19.68	19.72	19.54	19.75	19.65	19.67	19.58	19.79	19.79	0
HSPA+ Subtest-1	22.05	22.04	22.08	21.95	21.95	21.99	22.06	22.00	22.04	2.5
EUT with Power Reduction (P-Sensor Triggered)										
RMC 12.2K	12.59	12.55	12.52	16.33	16.30	16.27	12.51	12.54	12.67	-
HSDPA Subtest-1	11.93	12.08	12.00	15.50	15.46	15.50	11.65	11.69	11.83	0
HSDPA Subtest-2	11.95	12.08	12.02	15.49	15.52	15.46	11.64	11.71	11.94	0
HSDPA Subtest-3	11.46	11.58	11.46	15.03	14.98	15.07	11.20	11.33	11.44	0.5
HSDPA Subtest-4	11.44	11.59	11.48	15.08	14.97	15.01	11.11	11.18	11.47	0.5
DC-HSDPA Subtest-1	12.42	12.19	12.09	15.58	15.58	15.61	11.61	11.65	11.78	0
DC-HSDPA Subtest-2	12.04	12.09	12.07	15.56	15.65	15.56	11.58	11.65	11.80	0
DC-HSDPA Subtest-3	11.59	11.58	11.56	15.14	15.13	15.09	11.19	11.47	11.33	0.5
DC-HSDPA Subtest-4	11.57	11.64	11.46	14.96	14.99	14.97	11.12	11.25	11.39	0.5
HSUPA Subtest-1	11.11	11.13	11.03	14.63	14.60	14.58	10.84	10.85	10.98	0
HSUPA Subtest-2	11.13	11.09	11.04	14.51	14.42	14.44	10.74	10.75	10.92	2
HSUPA Subtest-3	10.03	10.03	10.02	13.47	13.46	13.48	9.63	9.73	9.79	1
HSUPA Subtest-4	10.09	9.89	9.88	13.48	13.47	13.48	9.58	9.67	9.83	2
HSUPA Subtest-5	9.08	9.09	8.89	12.65	12.54	12.49	8.93	8.91	9.09	0
HSPA+ Subtest-1	11.41	11.47	11.39	14.89	14.78	14.85	11.44	11.16	11.48	2.5

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 18607	Mid CH 18900	High CH 19193		Low CH 18607	Mid CH 18900	High CH 19193	
			1850.7 MHz	1880.0 MHz	1909.3 MHz		1850.7 MHz	1880.0 MHz	1909.3 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
2 / 1.4M	1	0	22.80	22.75	22.63	0	22.03	21.97	21.87	1
	1	2	23.04	22.96	22.90	0	22.29	22.16	22.18	1
	1	5	22.69	22.59	22.51	0	21.85	21.80	21.79	1
	3	0	23.08	23.01	23.04	0	22.14	22.01	22.01	1
	3	1	23.11	23.03	22.87	0	21.95	22.00	21.88	1
	3	3	23.06	22.98	22.98	0	22.14	22.04	22.05	1
	6	0	22.18	22.04	22.02	1	21.12	21.06	20.93	2
EUT with Power Reduction (P-Sensor Triggered)										
2 / 1.4M	1	0	13.03	12.90	12.90	0	12.97	12.83	12.85	1
	1	2	13.22	13.06	13.12	0	13.00	12.79	12.93	1
	1	5	12.70	12.52	12.56	0	12.97	12.84	12.95	1
	3	0	13.12	12.97	13.12	0	12.93	12.72	12.84	1
	3	1	13.08	12.92	12.88	0	12.80	12.77	12.77	1
	3	3	13.10	12.94	13.06	0	12.96	12.78	12.91	1
	6	0	13.24	13.02	13.12	1	12.91	12.77	12.76	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 18615	Mid CH 18900	High CH 19185		Low CH 18615	Mid CH 18900	High CH 19185	
			1851.5 MHz	1880.0 MHz	1908.5 MHz		1851.5 MHz	1880.0 MHz	1908.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
2 / 3M	1	0	22.82	22.77	22.62	0	22.00	22.03	21.90	1
	1	7	23.00	22.97	22.90	0	22.26	22.19	22.16	1
	1	14	22.65	22.59	22.51	0	21.88	21.80	21.79	1
	8	0	22.07	22.04	22.04	1	21.10	21.02	21.01	2
	8	3	22.04	22.03	21.89	1	21.00	20.95	20.91	2
	8	7	22.03	22.05	22.02	1	21.16	21.02	21.01	2
	15	0	22.15	22.05	21.96	1	21.12	21.00	20.96	2
EUT with Power Reduction (P-Sensor Triggered)										
2 / 3M	1	0	13.05	12.92	12.89	0	12.94	12.89	12.88	1
	1	7	13.18	13.07	13.12	0	12.97	12.82	12.91	1
	1	14	12.66	12.52	12.56	0	13.00	12.84	12.95	1
	8	0	13.11	13.00	13.12	1	12.89	12.73	12.84	2
	8	3	13.01	12.92	12.90	1	12.85	12.72	12.80	2
	8	7	13.07	13.01	13.10	1	12.98	12.76	12.87	2
	15	0	13.21	13.03	13.06	1	12.91	12.71	12.79	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 18625	Mid CH 18900	High CH 19175		Low CH 18625	Mid CH 18900	High CH 19175	
			1852.5 MHz	1880.0 MHz	1907.5 MHz		1852.5 MHz	1880.0 MHz	1907.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
2 / 5M	1	0	22.83	22.72	22.63	0	22.01	21.99	21.90	1
	1	12	23.05	22.94	22.90	0	22.23	22.22	22.15	1
	1	24	22.66	22.58	22.55	0	21.88	21.80	21.78	1
	12	0	22.10	22.04	22.01	1	21.10	21.00	20.98	2
	12	6	22.04	22.04	21.90	1	20.97	20.99	20.87	2
	12	13	22.07	22.01	22.03	1	21.11	21.04	21.04	2
	25	0	22.13	22.08	21.99	1	21.12	21.01	20.93	2
EUT with Power Reduction (P-Sensor Triggered)										
2 / 5M	1	0	13.06	12.87	12.90	0	12.95	12.85	12.88	1
	1	12	13.23	13.04	13.12	0	12.94	12.85	12.90	1
	1	24	12.67	12.51	12.60	0	13.00	12.84	12.94	1
	12	0	13.14	13.00	13.09	1	12.89	12.71	12.81	2
	12	6	13.01	12.93	12.91	1	12.82	12.76	12.76	2
	12	13	13.11	12.97	13.11	1	12.93	12.78	12.90	2
	25	0	13.19	13.06	13.09	1	12.91	12.72	12.76	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 18650	Mid CH 18900	High CH 19150		Low CH 18650	Mid CH 18900	High CH 19150	
			1855.0 MHz	1880.0 MHz	1905.0 MHz		1855.0 MHz	1880.0 MHz	1905.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
2 / 10M	1	0	22.80	22.75	22.63	0	22.01	21.96	21.86	1
	1	24	23.05	22.94	22.91	0	22.28	22.18	22.18	1
	1	49	22.63	22.62	22.51	0	21.88	21.81	21.75	1
	25	0	22.11	22.03	22.04	1	21.12	20.98	21.04	2
	25	12	22.10	21.98	21.90	1	21.01	20.93	20.92	2
	25	25	22.05	21.98	22.02	1	21.10	21.05	21.01	2
	50	0	22.18	22.08	21.96	1	21.16	21.00	20.97	2
EUT with Power Reduction (P-Sensor Triggered)										
2 / 10M	1	0	13.03	12.90	12.90	0	12.95	12.82	12.84	1
	1	24	13.23	13.04	13.13	0	12.99	12.81	12.93	1
	1	49	12.64	12.55	12.56	0	13.00	12.85	12.91	1
	25	0	13.15	12.99	13.12	1	12.91	12.69	12.87	2
	25	12	13.07	12.87	12.91	1	12.86	12.70	12.81	2
	25	25	13.09	12.94	13.10	1	12.92	12.79	12.87	2
	50	0	13.24	13.06	13.06	1	12.95	12.71	12.80	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 18675	Mid CH 18900	High CH 19125		Low CH 18675	Mid CH 18900	High CH 19125	
			1857.5 MHz	1880.0 MHz	1902.5 MHz		1857.5 MHz	1880.0 MHz	1902.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
2 / 15M	1	0	22.87	22.75	22.60	0	22.05	22.03	21.86	1
	1	37	23.03	22.99	22.86	0	22.27	22.19	22.18	1
	1	74	22.69	22.65	22.52	0	21.84	21.86	21.77	1
	36	0	22.08	22.04	22.05	1	21.16	20.98	21.05	2
	36	19	22.11	22.03	21.90	1	20.95	20.97	20.88	2
	36	39	22.03	21.99	22.02	1	21.15	21.03	21.04	2
	75	0	22.18	22.06	22.01	1	21.17	21.03	20.90	2
EUT with Power Reduction (P-Sensor Triggered)										
2 / 15M	1	0	13.10	12.90	12.87	0	12.99	12.89	12.84	1
	1	37	13.21	13.09	13.08	0	12.98	12.82	12.93	1
	1	74	12.70	12.58	12.57	0	12.96	12.90	12.93	1
	36	0	13.12	13.00	13.13	1	12.95	12.69	12.88	2
	36	19	13.08	12.92	12.91	1	12.80	12.74	12.77	2
	36	39	13.07	12.95	13.10	1	12.97	12.77	12.90	2
	75	0	13.24	13.04	13.11	1	12.96	12.74	12.73	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 18700	Mid CH 18900	High CH 19100		Low CH 18700	Mid CH 18900	High CH 19100	
			1860.0 MHz	1880.0 MHz	1900.0 MHz		1860.0 MHz	1880.0 MHz	1900.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
2 / 20M	1	0	22.88	22.79	22.68	0	22.08	22.04	21.92	1
	1	50	23.07	23.02	22.92	0	22.31	22.24	22.20	1
	1	99	22.71	22.66	22.56	0	21.90	21.88	21.80	1
	50	0	22.14	22.09	22.06	1	21.18	21.06	21.06	2
	50	25	22.12	22.05	21.95	1	21.03	21.01	20.93	2
	50	50	22.11	22.06	22.04	1	21.18	21.09	21.06	2
	100	0	22.19	22.10	22.04	1	21.18	21.08	20.98	2
EUT with Power Reduction (P-Sensor Triggered)										
2 / 20M	1	0	13.11	12.94	12.95	0	13.02	12.90	12.90	1
	1	50	13.25	13.12	13.14	0	13.02	12.87	12.95	1
	1	99	12.72	12.59	12.61	0	13.02	12.92	12.96	1
	50	0	13.18	13.05	13.14	1	12.97	12.77	12.89	2
	50	25	13.09	12.94	12.96	1	12.88	12.78	12.82	2
	50	50	13.15	13.02	13.12	1	13.00	12.83	12.92	2
	100	0	13.25	13.08	13.14	1	12.97	12.79	12.81	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 19957	Mid CH 20175	High CH 20393		Low CH 19957	Mid CH 20175	High CH 20393	
			1710.7 MHz	1732.5 MHz	1754.3 MHz		1710.7 MHz	1732.5 MHz	1754.3 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
4 / 1.4M	1	0	22.83	22.88	22.90	0	22.15	22.19	22.19	1
	1	2	23.20	23.22	23.29	0	22.49	22.46	22.58	1
	1	5	22.82	22.82	22.84	0	22.04	22.09	22.18	1
	3	0	23.18	23.21	23.34	0	22.25	22.22	22.32	1
	3	1	23.25	23.27	23.21	0	22.13	22.28	22.26	1
	3	3	22.97	22.99	23.09	0	22.06	22.06	22.17	1
	6	0	22.22	22.18	22.26	1	21.17	21.21	21.18	2
EUT with Power Reduction (P-Sensor Triggered)										
4 / 1.4M	1	0	12.72	12.71	12.71	0	12.65	12.63	12.65	1
	1	2	12.96	12.92	12.98	0	12.93	12.84	12.98	1
	1	5	12.59	12.53	12.57	0	12.64	12.63	12.74	1
	3	0	12.73	12.70	12.85	0	12.78	12.69	12.81	1
	3	1	12.78	12.74	12.70	0	12.65	12.74	12.74	1
	3	3	12.65	12.61	12.73	0	12.70	12.64	12.77	1
	6	0	12.83	12.73	12.83	1	12.79	12.77	12.76	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 19965	Mid CH 20175	High CH 20385		Low CH 19965	Mid CH 20175	High CH 20385	
			1711.5 MHz	1732.5 MHz	1753.5 MHz		1711.5 MHz	1732.5 MHz	1753.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
4 / 3M	1	0	22.85	22.90	22.89	0	22.12	22.25	22.22	1
	1	7	23.16	23.23	23.29	0	22.46	22.49	22.56	1
	1	14	22.78	22.82	22.84	0	22.07	22.09	22.18	1
	8	0	22.17	22.24	22.34	1	21.21	21.23	21.32	2
	8	3	22.18	22.27	22.23	1	21.18	21.23	21.29	2
	8	7	21.94	22.06	22.13	1	21.08	21.04	21.13	2
	15	0	22.19	22.19	22.20	1	21.17	21.15	21.21	2
EUT with Power Reduction (P-Sensor Triggered)										
4 / 3M	1	0	12.74	12.73	12.70	0	12.62	12.69	12.68	1
	1	7	12.92	12.93	12.98	0	12.90	12.87	12.96	1
	1	14	12.55	12.53	12.57	0	12.67	12.63	12.74	1
	8	0	12.72	12.73	12.85	1	12.74	12.70	12.81	2
	8	3	12.71	12.74	12.72	1	12.70	12.69	12.77	2
	8	7	12.62	12.68	12.77	1	12.72	12.62	12.73	2
	15	0	12.80	12.74	12.77	1	12.79	12.71	12.79	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 19975	Mid CH 20175	High CH 20375		Low CH 19975	Mid CH 20175	High CH 20375	
			1712.5 MHz	1732.5 MHz	1752.5 MHz		1712.5 MHz	1732.5 MHz	1752.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
4 / 5M	1	0	22.86	22.85	22.90	0	22.13	22.21	22.22	1
	1	12	23.21	23.20	23.29	0	22.43	22.52	22.55	1
	1	24	22.79	22.81	22.88	0	22.07	22.09	22.17	1
	12	0	22.20	22.24	22.31	1	21.21	21.21	21.29	2
	12	6	22.18	22.28	22.24	1	21.15	21.27	21.25	2
	12	13	21.98	22.02	22.14	1	21.03	21.06	21.16	2
	25	0	22.17	22.22	22.23	1	21.17	21.16	21.18	2
EUT with Power Reduction (P-Sensor Triggered)										
4 / 5M	1	0	12.75	12.68	12.71	0	12.63	12.65	12.68	1
	1	12	12.97	12.90	12.98	0	12.87	12.90	12.95	1
	1	24	12.56	12.52	12.61	0	12.67	12.63	12.73	1
	12	0	12.75	12.73	12.82	1	12.74	12.68	12.78	2
	12	6	12.71	12.75	12.73	1	12.67	12.73	12.73	2
	12	13	12.66	12.64	12.78	1	12.67	12.64	12.76	2
	25	0	12.78	12.77	12.80	1	12.79	12.72	12.76	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20000	Mid CH 20175	High CH 20350		Low CH 20000	Mid CH 20175	High CH 20350	
			1715.0 MHz	1732.5 MHz	1750.0 MHz		1715.0 MHz	1732.5 MHz	1750.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
4 / 10M	1	0	22.83	22.88	22.90	0	22.13	22.18	22.18	1
	1	24	23.21	23.20	23.30	0	22.48	22.48	22.58	1
	1	49	22.76	22.85	22.84	0	22.07	22.10	22.14	1
	25	0	22.21	22.23	22.34	1	21.23	21.19	21.35	2
	25	12	22.24	22.22	22.24	1	21.19	21.21	21.30	2
	25	25	21.96	21.99	22.13	1	21.02	21.07	21.13	2
	50	0	22.22	22.22	22.20	1	21.21	21.15	21.22	2
EUT with Power Reduction (P-Sensor Triggered)										
4 / 10M	1	0	12.72	12.71	12.71	0	12.63	12.62	12.64	1
	1	24	12.97	12.90	12.99	0	12.92	12.86	12.98	1
	1	49	12.53	12.56	12.57	0	12.67	12.64	12.70	1
	25	0	12.76	12.72	12.85	1	12.76	12.66	12.84	2
	25	12	12.77	12.69	12.73	1	12.71	12.67	12.78	2
	25	25	12.64	12.61	12.77	1	12.66	12.65	12.73	2
	50	0	12.83	12.77	12.77	1	12.83	12.71	12.80	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20025	Mid CH 20175	High CH 20325		Low CH 20025	Mid CH 20175	High CH 20325	
			1717.5 MHz	1732.5 MHz	1747.5 MHz		1717.5 MHz	1732.5 MHz	1747.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
4 / 15M	1	0	22.90	22.88	22.87	0	22.17	22.25	22.18	1
	1	37	23.19	23.25	23.25	0	22.47	22.49	22.58	1
	1	74	22.82	22.88	22.85	0	22.03	22.15	22.16	1
	36	0	22.18	22.24	22.35	1	21.27	21.19	21.36	2
	36	19	22.25	22.27	22.24	1	21.13	21.25	21.26	2
	36	39	21.94	22.00	22.13	1	21.07	21.05	21.16	2
	75	0	22.22	22.20	22.25	1	21.22	21.18	21.15	2
EUT with Power Reduction (P-Sensor Triggered)										
4 / 15M	1	0	12.79	12.71	12.68	0	12.67	12.69	12.64	1
	1	37	12.95	12.95	12.94	0	12.91	12.87	12.98	1
	1	74	12.59	12.59	12.58	0	12.63	12.69	12.72	1
	36	0	12.73	12.73	12.86	1	12.80	12.66	12.85	2
	36	19	12.78	12.74	12.73	1	12.65	12.71	12.74	2
	36	39	12.62	12.62	12.77	1	12.71	12.63	12.76	2
	75	0	12.83	12.75	12.82	1	12.84	12.74	12.73	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20050	Mid CH 20175	High CH 20300		Low CH 20050	Mid CH 20175	High CH 20300	
			1720.0 MHz	1732.5 MHz	1745.0 MHz		1720.0 MHz	1732.5 MHz	1745.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
4 / 20M	1	0	22.91	22.92	22.95	0	22.20	22.26	22.24	1
	1	50	23.23	23.28	23.31	0	22.51	22.54	22.60	1
	1	99	22.84	22.89	22.89	0	22.09	22.17	22.19	1
	50	0	22.24	22.29	22.36	1	21.29	21.27	21.37	2
	50	25	22.26	22.29	22.29	1	21.21	21.29	21.31	2
	50	50	22.02	22.07	22.15	1	21.10	21.11	21.18	2
	100	0	22.23	22.24	22.28	1	21.23	21.23	21.23	2
EUT with Power Reduction (P-Sensor Triggered)										
4 / 20M	1	0	12.80	12.75	12.76	0	12.70	12.70	12.70	1
	1	50	12.99	12.98	13.00	0	12.95	12.92	13.00	1
	1	99	12.61	12.60	12.62	0	12.69	12.71	12.75	1
	50	0	12.79	12.78	12.87	1	12.82	12.74	12.86	2
	50	25	12.79	12.76	12.78	1	12.73	12.75	12.79	2
	50	50	12.70	12.69	12.79	1	12.74	12.69	12.78	2
	100	0	12.84	12.79	12.85	1	12.85	12.79	12.81	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20407	Mid CH 20525	High CH 20643		Low CH 20407	Mid CH 20525	High CH 20643	
			824.7 MHz	836.5 MHz	848.3 MHz		824.7 MHz	836.5 MHz	848.3 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
5 / 1.4M	1	0	22.95	22.99	23.02	0	22.21	22.23	22.30	1
	1	2	23.13	23.06	23.18	0	22.33	22.35	22.40	1
	1	5	22.99	22.93	23.04	0	22.28	22.21	22.36	1
	3	0	23.07	23.06	23.14	0	22.10	22.13	22.13	1
	3	1	23.03	23.11	23.03	0	22.04	22.17	22.11	1
	3	3	23.01	22.99	23.07	0	22.05	22.08	22.17	1
	6	0	22.11	22.12	22.15	1	21.09	21.14	21.15	2
EUT with Power Reduction (P-Sensor Triggered)										
5 / 1.4M	1	0	16.19	16.25	16.33	0	16.18	16.22	16.34	0
	1	2	16.31	16.26	16.43	0	16.17	16.21	16.31	0
	1	5	16.20	16.16	16.32	0	16.16	16.11	16.31	0
	3	0	16.24	16.25	16.38	0	16.20	16.25	16.30	0
	3	1	16.23	16.33	16.30	0	16.16	16.31	16.30	0
	3	3	16.18	16.18	16.31	0	16.20	16.25	16.39	0
	6	0	16.26	16.29	16.37	0	16.18	16.25	16.31	0

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20415	Mid CH 20525	High CH 20635		Low CH 20415	Mid CH 20525	High CH 20635	
			825.5 MHz	836.5 MHz	847.5 MHz		825.5 MHz	836.5 MHz	847.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
5 / 3M	1	0	22.97	23.01	23.01	0	22.18	22.29	22.33	1
	1	7	23.09	23.07	23.18	0	22.30	22.38	22.38	1
	1	14	22.95	22.93	23.04	0	22.31	22.21	22.36	1
	8	0	22.06	22.09	22.14	1	21.06	21.14	21.13	2
	8	3	21.96	22.11	22.05	1	21.09	21.12	21.14	2
	8	7	21.98	22.06	22.11	1	21.07	21.06	21.13	2
	15	0	22.08	22.13	22.09	1	21.09	21.08	21.18	2
EUT with Power Reduction (P-Sensor Triggered)										
5 / 3M	1	0	16.21	16.27	16.32	0	16.15	16.28	16.37	0
	1	7	16.27	16.27	16.43	0	16.14	16.24	16.29	0
	1	14	16.16	16.16	16.32	0	16.19	16.11	16.31	0
	8	0	16.23	16.28	16.38	0	16.16	16.26	16.30	0
	8	3	16.16	16.33	16.32	0	16.21	16.26	16.33	0
	8	7	16.15	16.25	16.35	0	16.22	16.23	16.35	0
	15	0	16.23	16.30	16.31	0	16.18	16.19	16.34	0

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20425	Mid CH 20525	High CH 20625		Low CH 20425	Mid CH 20525	High CH 20625	
			826.5 MHz	836.5 MHz	846.5 MHz		826.5 MHz	836.5 MHz	846.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
5 / 5M	1	0	22.98	22.96	23.02	0	22.19	22.25	22.33	1
	1	12	23.14	23.04	23.18	0	22.27	22.41	22.37	1
	1	24	22.96	22.92	23.08	0	22.31	22.21	22.35	1
	12	0	22.09	22.09	22.11	1	21.06	21.12	21.10	2
	12	6	21.96	22.12	22.06	1	21.06	21.16	21.10	2
	12	13	22.02	22.02	22.12	1	21.02	21.08	21.16	2
	25	0	22.06	22.16	22.12	1	21.09	21.09	21.15	2
EUT with Power Reduction (P-Sensor Triggered)										
5 / 5M	1	0	16.22	16.22	16.33	0	16.16	16.24	16.37	0
	1	12	16.32	16.24	16.43	0	16.11	16.27	16.28	0
	1	24	16.17	16.15	16.36	0	16.19	16.11	16.30	0
	12	0	16.26	16.28	16.35	0	16.16	16.24	16.27	0
	12	6	16.16	16.34	16.33	0	16.18	16.30	16.29	0
	12	13	16.19	16.21	16.36	0	16.17	16.25	16.38	0
	25	0	16.21	16.33	16.34	0	16.18	16.20	16.31	0

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 20450	Mid CH 20525	High CH 20600		Low CH 20450	Mid CH 20525	High CH 20600	
			829.0 MHz	836.5 MHz	844.0 MHz		829.0 MHz	836.5 MHz	844.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
5 / 10M	1	0	23.03	23.03	23.07	0	22.26	22.30	22.35	1
	1	24	23.16	23.12	23.20	0	22.35	22.43	22.42	1
	1	49	23.01	23.00	23.09	0	22.33	22.29	22.37	1
	25	0	22.13	22.14	22.16	1	21.14	21.18	21.18	2
	25	12	22.04	22.13	22.11	1	21.12	21.18	21.16	2
	25	25	22.06	22.07	22.13	1	21.09	21.13	21.18	2
	50	0	22.12	22.18	22.17	1	21.15	21.16	21.20	2
EUT with Power Reduction (P-Sensor Triggered)										
5 / 10M	1	0	16.27	16.29	16.38	0	16.23	16.29	16.39	0
	1	24	16.34	16.32	16.45	0	16.19	16.29	16.33	0
	1	49	16.22	16.23	16.37	0	16.21	16.19	16.32	0
	25	0	16.30	16.33	16.40	0	16.24	16.30	16.35	0
	25	12	16.24	16.35	16.38	0	16.24	16.32	16.35	0
	25	25	16.23	16.26	16.37	0	16.24	16.30	16.40	0
	50	0	16.27	16.35	16.39	0	16.24	16.27	16.36	0

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23017	Mid CH 23095	High CH 23173		Low CH 23017	Mid CH 23095	High CH 23173	
			699.7 MHz	707.5 MHz	715.3 MHz		699.7 MHz	707.5 MHz	715.3 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
12 / 1.4M	1	0	23.02	23.09	23.04	0	22.32	22.33	22.31	1
	1	2	23.18	23.18	23.18	0	22.52	22.49	22.51	1
	1	5	23.17	23.15	23.13	0	22.52	22.52	22.55	1
	3	0	23.08	23.09	23.11	0	22.10	22.12	22.08	1
	3	1	23.27	23.29	23.19	0	22.16	22.26	22.18	1
	3	3	23.20	23.20	23.18	0	22.19	22.21	22.21	1
	6	0	22.19	22.17	22.17	1	21.12	21.19	21.12	2
EUT with Power Reduction (P-Sensor Triggered)										
12 / 1.4M	1	0	16.59	16.66	16.59	0	16.44	16.49	16.46	1
	1	2	16.79	16.75	16.77	0	16.68	16.73	16.68	1
	1	5	16.73	16.70	16.71	0	16.68	16.64	16.69	1
	3	0	16.42	16.44	16.42	0	16.38	16.44	16.34	1
	3	1	16.63	16.74	16.56	0	16.56	16.72	16.56	1
	3	3	16.58	16.59	16.57	0	16.55	16.61	16.60	1
	6	0	16.51	16.55	16.48	1	16.43	16.51	16.42	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23025	Mid CH 23095	High CH 23165		Low CH 23025	Mid CH 23095	High CH 23165	
			700.5 MHz	707.5 MHz	714.5 MHz		700.5 MHz	707.5 MHz	714.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
12 / 3M	1	0	23.04	23.11	23.03	0	22.29	22.39	22.34	1
	1	7	23.14	23.19	23.18	0	22.49	22.52	22.49	1
	1	14	23.13	23.15	23.13	0	22.55	22.52	22.55	1
	8	0	22.07	22.12	22.11	1	21.06	21.13	21.08	2
	8	3	22.20	22.29	22.21	1	21.21	21.21	21.21	2
	8	7	22.17	22.27	22.22	1	21.21	21.19	21.17	2
	15	0	22.16	22.18	22.11	1	21.12	21.13	21.15	2
EUT with Power Reduction (P-Sensor Triggered)										
12 / 3M	1	0	16.61	16.68	16.58	0	16.41	16.55	16.49	1
	1	7	16.75	16.76	16.77	0	16.65	16.76	16.66	1
	1	14	16.69	16.70	16.71	0	16.71	16.64	16.69	1
	8	0	16.41	16.47	16.42	1	16.34	16.45	16.34	2
	8	3	16.56	16.74	16.58	1	16.61	16.67	16.59	2
	8	7	16.55	16.66	16.61	1	16.57	16.59	16.56	2
	15	0	16.48	16.56	16.42	1	16.43	16.45	16.45	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23035	Mid CH 23095	High CH 23155		Low CH 23035	Mid CH 23095	High CH 23155	
			701.5 MHz	707.5 MHz	713.5 MHz		701.5 MHz	707.5 MHz	713.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
12 / 5M	1	0	23.05	23.06	23.04	0	22.30	22.35	22.34	1
	1	12	23.19	23.16	23.18	0	22.46	22.55	22.48	1
	1	24	23.14	23.14	23.17	0	22.55	22.52	22.54	1
	12	0	22.10	22.12	22.08	1	21.06	21.11	21.05	2
	12	6	22.20	22.30	22.22	1	21.18	21.25	21.17	2
	12	13	22.21	22.23	22.23	1	21.16	21.21	21.20	2
	25	0	22.14	22.21	22.14	1	21.12	21.14	21.12	2
EUT with Power Reduction (P-Sensor Triggered)										
12 / 5M	1	0	16.62	16.63	16.59	0	16.42	16.51	16.49	1
	1	12	16.80	16.73	16.77	0	16.62	16.79	16.65	1
	1	24	16.70	16.69	16.75	0	16.71	16.64	16.68	1
	12	0	16.44	16.47	16.39	1	16.34	16.43	16.31	2
	12	6	16.56	16.75	16.59	1	16.58	16.71	16.55	2
	12	13	16.59	16.62	16.62	1	16.52	16.61	16.59	2
	25	0	16.46	16.59	16.45	1	16.43	16.46	16.42	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23060	Mid CH 23095	High CH 23130		Low CH 23060	Mid CH 23095	High CH 23130	
			704.0 MHz	707.5 MHz	711.0 MHz		704.0 MHz	707.5 MHz	711.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
12 / 10M	1	0	23.10	23.13	23.09	0	22.37	22.40	22.36	1
	1	24	23.21	23.24	23.20	0	22.54	22.57	22.53	1
	1	49	23.19	23.22	23.18	0	22.57	22.60	22.56	1
	25	0	22.14	22.17	22.13	1	21.14	21.17	21.13	2
	25	12	22.28	22.31	22.27	1	21.24	21.27	21.23	2
	25	25	22.25	22.28	22.24	1	21.23	21.26	21.22	2
	50	0	22.20	22.23	22.19	1	21.18	21.21	21.17	2
EUT with Power Reduction (P-Sensor Triggered)										
12 / 10M	1	0	16.67	16.70	16.64	0	16.49	16.56	16.51	1
	1	24	16.82	16.81	16.79	0	16.70	16.81	16.70	1
	1	49	16.75	16.77	16.76	0	16.73	16.72	16.70	1
	25	0	16.48	16.52	16.44	1	16.42	16.49	16.39	2
	25	12	16.64	16.76	16.64	1	16.64	16.73	16.61	2
	25	25	16.63	16.67	16.63	1	16.59	16.66	16.61	2
	50	0	16.52	16.61	16.50	1	16.49	16.53	16.47	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23205	Mid CH 23230	High CH 23255		Low CH 23205	Mid CH 23230	High CH 23255	
			779.5 MHz	782.0 MHz	784.5 MHz		779.5 MHz	782.0 MHz	784.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
13 / 5M	1	0	22.97	22.95	22.97	0	22.23	22.25	22.28	1
	1	12	23.18	23.12	23.18	0	22.36	22.42	22.39	1
	1	24	23.04	23.01	23.08	0	22.34	22.28	22.34	1
	12	0	22.05	22.04	22.04	1	21.07	21.09	21.07	2
	12	6	22.08	22.15	22.11	1	21.18	21.22	21.18	2
	12	13	22.09	22.08	22.12	1	21.17	21.19	21.22	2
	25	0	22.04	22.08	22.05	1	21.11	21.10	21.12	2
EUT with Power Reduction (P-Sensor Triggered)										
13 / 5M	1	0	17.68	17.66	17.68	0	17.54	17.56	17.59	1
	1	12	17.79	17.73	17.79	0	17.65	17.71	17.68	1
	1	24	17.59	17.56	17.63	0	17.64	17.58	17.64	1
	12	0	17.57	17.56	17.56	1	17.53	17.55	17.53	2
	12	6	17.61	17.68	17.64	1	17.60	17.64	17.60	2
	12	13	17.63	17.62	17.66	1	17.67	17.69	17.72	2
	25	0	17.55	17.59	17.56	1	17.58	17.57	17.59	2

Band / BW	RB Size	RB Offset	QPSK		3GPP MPR (dB)	16QAM		3GPP MPR (dB)
			Mid CH 23230			Mid CH 23230		
			782.0 MHz			782.0 MHz		
EUT without Power Reduction (P-Sensor NOT Triggered)								
13 / 10M	1	0	23.02		0	22.30		1
	1	24	23.20		0	22.44		1
	1	49	23.09		0	22.36		1
	25	0	22.09		1	21.15		2
	25	12	22.16		1	21.24		2
	25	25	22.13		1	21.24		2
	50	0	22.10		1	21.17		2
EUT with Power Reduction (P-Sensor Triggered)								
13 / 10M	1	0	17.73		0	17.61		1
	1	24	17.81		0	17.73		1
	1	49	17.64		0	17.66		1
	25	0	17.61		1	17.61		2
	25	12	17.69		1	17.66		2
	25	25	17.67		1	17.74		2
	50	0	17.61		1	17.64		2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23305	Mid CH 23330	High CH 23355		Low CH 23305	Mid CH 23330	High CH 23355	
			790.5 MHz	793.0 MHz	795.5 MHz		790.5 MHz	793.0 MHz	795.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
14 / 5M	1	0	23.08	23.06	23.08	0	22.38	22.40	22.43	1
	1	12	23.21	23.15	23.21	0	22.39	22.45	22.42	1
	1	24	23.05	23.02	23.09	0	22.31	22.25	22.31	1
	12	0	22.08	22.07	22.07	1	21.10	21.12	21.10	2
	12	6	22.11	22.18	22.14	1	21.20	21.24	21.20	2
	12	13	22.13	22.12	22.16	1	21.19	21.21	21.24	2
	25	0	22.09	22.13	22.10	1	21.18	21.17	21.19	2
EUT with Power Reduction (P-Sensor Triggered)										
14 / 5M	1	0	17.48	17.46	17.48	0	17.60	17.62	17.65	1
	1	12	17.78	17.72	17.78	0	17.55	17.61	17.58	1
	1	24	17.43	17.40	17.47	0	17.73	17.67	17.73	1
	12	0	17.45	17.44	17.44	1	17.45	17.47	17.45	2
	12	6	17.48	17.55	17.51	1	17.51	17.55	17.51	2
	12	13	17.48	17.47	17.51	1	17.58	17.60	17.63	2
	25	0	17.48	17.52	17.49	1	17.53	17.52	17.54	2

Band / BW	RB Size	RB Offset	QPSK		3GPP MPR (dB)	16QAM		3GPP MPR (dB)
			Mid CH 23330			Mid CH 23330		
			793.0 MHz			793.0 MHz		
EUT without Power Reduction (P-Sensor NOT Triggered)								
14 / 10M	1	0	23.13		0	22.45		1
	1	24	23.23		0	22.47		1
	1	49	23.10		0	22.33		1
	25	0	22.12		1	21.18		2
	25	12	22.19		1	21.26		2
	25	25	22.17		1	21.26		2
	50	0	22.15		1	21.24		2
EUT with Power Reduction (P-Sensor Triggered)								
14 / 10M	1	0	17.53		0	17.67		1
	1	24	17.80		0	17.63		1
	1	49	17.48		0	17.75		1
	25	0	17.49		1	17.53		2
	25	12	17.56		1	17.57		2
	25	25	17.52		1	17.65		2
	50	0	17.54		1	17.59		2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23755	Mid CH 23790	High CH 23825		Low CH 23755	Mid CH 23790	High CH 23825	
			706.5 MHz	710.0 MHz	713.5 MHz		706.5 MHz	710.0 MHz	713.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
17 / 5M	1	0	22.97	22.90	22.91	0	22.23	22.24	22.27	1
	1	12	23.20	23.05	23.14	0	22.38	22.47	22.38	1
	1	24	23.07	22.98	23.09	0	22.47	22.32	22.41	1
	12	0	22.11	22.06	22.03	1	20.99	21.00	20.93	2
	12	6	22.10	22.21	22.10	1	21.10	21.15	21.04	2
	12	13	22.15	22.10	22.15	1	21.08	21.09	21.12	2
	25	0	22.08	22.13	22.04	1	21.07	21.02	21.03	2
EUT with Power Reduction (P-Sensor Triggered)										
17 / 5M	1	0	16.58	16.51	16.54	0	16.75	16.76	16.81	1
	1	12	16.90	16.75	16.86	0	16.75	16.84	16.77	1
	1	24	16.64	16.55	16.68	0	16.86	16.71	16.82	1
	12	0	16.58	16.53	16.52	1	16.49	16.50	16.45	2
	12	6	16.56	16.67	16.58	1	16.58	16.63	16.54	2
	12	13	16.59	16.54	16.61	1	16.52	16.53	16.58	2
	25	0	16.50	16.55	16.48	1	16.52	16.47	16.50	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 23780	Mid CH 23790	High CH 23800		Low CH 23780	Mid CH 23790	High CH 23800	
			709.0 MHz	710.0 MHz	711.0 MHz		709.0 MHz	710.0 MHz	711.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
17 / 10M	1	0	23.02	22.97	22.96	0	22.30	22.29	22.29	1
	1	24	23.22	23.13	23.16	0	22.46	22.49	22.43	1
	1	49	23.12	23.06	23.10	0	22.49	22.40	22.43	1
	25	0	22.15	22.11	22.08	1	21.07	21.06	21.01	2
	25	12	22.18	22.22	22.15	1	21.16	21.17	21.10	2
	25	25	22.19	22.15	22.16	1	21.15	21.14	21.14	2
	50	0	22.14	22.15	22.09	1	21.13	21.09	21.08	2
EUT with Power Reduction (P-Sensor Triggered)										
17 / 10M	1	0	16.63	16.58	16.59	0	16.82	16.81	16.83	1
	1	24	16.92	16.83	16.88	0	16.83	16.86	16.82	1
	1	49	16.69	16.63	16.69	0	16.88	16.79	16.84	1
	25	0	16.62	16.58	16.57	1	16.57	16.56	16.53	2
	25	12	16.64	16.68	16.63	1	16.64	16.65	16.60	2
	25	25	16.63	16.59	16.62	1	16.59	16.58	16.60	2
	50	0	16.56	16.57	16.53	1	16.58	16.54	16.55	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 26047	Mid CH 26365	High CH 26683		Low CH 26047	Mid CH 26365	High CH 26683	
			1850.7 MHz	1882.5 MHz	1914.3 MHz		1850.7 MHz	1882.5 MHz	1914.3 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
25 / 1.4M	1	0	22.56	22.60	22.41	0	21.77	21.80	21.63	1
	1	2	22.80	22.81	22.68	0	22.05	22.01	21.96	1
	1	5	22.41	22.40	22.25	0	21.64	21.68	21.60	1
	3	0	22.85	22.87	22.83	0	21.91	21.87	21.80	1
	3	1	22.85	22.86	22.63	0	21.70	21.84	21.65	1
	3	3	22.82	22.83	22.76	0	21.87	21.86	21.80	1
	6	0	21.93	21.88	21.79	1	20.87	20.90	20.70	2
EUT with Power Reduction (P-Sensor Triggered)										
25 / 1.4M	1	0	12.58	12.67	12.57	0	12.53	12.61	12.53	1
	1	2	12.73	12.79	12.75	0	12.66	12.67	12.71	1
	1	5	12.61	12.65	12.59	0	12.54	12.63	12.64	1
	3	0	12.67	12.74	12.79	0	12.69	12.70	12.72	1
	3	1	12.60	12.66	12.52	0	12.51	12.70	12.60	1
	3	3	12.56	12.62	12.64	0	12.72	12.76	12.79	1
	6	0	12.75	12.75	12.75	1	12.64	12.72	12.61	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 26055	Mid CH 26365	High CH 26675		Low CH 26055	Mid CH 26365	High CH 26675	
			1851.5 MHz	1882.5 MHz	1913.5 MHz		1851.5 MHz	1882.5 MHz	1913.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
25 / 3M	1	0	22.58	22.62	22.40	0	21.74	21.86	21.66	1
	1	7	22.76	22.82	22.68	0	22.02	22.04	21.94	1
	1	14	22.37	22.40	22.25	0	21.67	21.68	21.60	1
	8	0	21.84	21.90	21.83	1	20.87	20.88	20.80	2
	8	3	21.78	21.86	21.65	1	20.75	20.79	20.68	2
	8	7	21.79	21.90	21.80	1	20.89	20.84	20.76	2
	15	0	21.90	21.89	21.73	1	20.87	20.84	20.73	2
EUT with Power Reduction (P-Sensor Triggered)										
25 / 3M	1	0	12.60	12.69	12.56	0	12.50	12.67	12.56	1
	1	7	12.69	12.80	12.75	0	12.63	12.70	12.69	1
	1	14	12.57	12.65	12.59	0	12.57	12.63	12.64	1
	8	0	12.66	12.77	12.79	1	12.65	12.71	12.72	2
	8	3	12.53	12.66	12.54	1	12.56	12.65	12.63	2
	8	7	12.53	12.69	12.68	1	12.74	12.74	12.75	2
	15	0	12.72	12.76	12.69	1	12.64	12.66	12.64	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 26065	Mid CH 26365	High CH 26665		Low CH 26065	Mid CH 26365	High CH 26665	
			1852.5 MHz	1882.5 MHz	1912.5 MHz		1852.5 MHz	1882.5 MHz	1912.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
25 / 5M	1	0	22.59	22.57	22.41	0	21.75	21.82	21.66	1
	1	12	22.81	22.79	22.68	0	21.99	22.07	21.93	1
	1	24	22.38	22.39	22.29	0	21.67	21.68	21.59	1
	12	0	21.87	21.90	21.80	1	20.87	20.86	20.77	2
	12	6	21.78	21.87	21.66	1	20.72	20.83	20.64	2
	12	13	21.83	21.86	21.81	1	20.84	20.86	20.79	2
	25	0	21.88	21.92	21.76	1	20.87	20.85	20.70	2
EUT with Power Reduction (P-Sensor Triggered)										
25 / 5M	1	0	12.61	12.64	12.57	0	12.51	12.63	12.56	1
	1	12	12.74	12.77	12.75	0	12.60	12.73	12.68	1
	1	24	12.58	12.64	12.63	0	12.57	12.63	12.63	1
	12	0	12.69	12.77	12.76	1	12.65	12.69	12.69	2
	12	6	12.53	12.67	12.55	1	12.53	12.69	12.59	2
	12	13	12.57	12.65	12.69	1	12.69	12.76	12.78	2
	25	0	12.70	12.79	12.72	1	12.64	12.67	12.61	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 26090	Mid CH 26365	High CH 26640		Low CH 26090	Mid CH 26365	High CH 26640	
			1855.0 MHz	1882.5 MHz	1910.0 MHz		1855.0 MHz	1882.5 MHz	1910.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
25 / 10M	1	0	22.56	22.60	22.41	0	21.75	21.79	21.62	1
	1	24	22.81	22.79	22.69	0	22.04	22.03	21.96	1
	1	49	22.35	22.43	22.25	0	21.67	21.69	21.56	1
	25	0	21.88	21.89	21.83	1	20.89	20.84	20.83	2
	25	12	21.84	21.81	21.66	1	20.76	20.77	20.69	2
	25	25	21.81	21.83	21.80	1	20.83	20.87	20.76	2
	50	0	21.93	21.92	21.73	1	20.91	20.84	20.74	2
EUT with Power Reduction (P-Sensor Triggered)										
25 / 10M	1	0	12.58	12.67	12.57	0	12.51	12.60	12.52	1
	1	24	12.74	12.77	12.76	0	12.65	12.69	12.71	1
	1	49	12.55	12.68	12.59	0	12.57	12.64	12.60	1
	25	0	12.70	12.76	12.79	1	12.67	12.67	12.75	2
	25	12	12.59	12.61	12.55	1	12.57	12.63	12.64	2
	25	25	12.55	12.62	12.68	1	12.68	12.77	12.75	2
	50	0	12.75	12.79	12.69	1	12.68	12.66	12.65	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 26115	Mid CH 26365	High CH 26615		Low CH 26115	Mid CH 26365	High CH 26615	
			1857.5 MHz	1882.5 MHz	1907.5 MHz		1857.5 MHz	1882.5 MHz	1907.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
25 / 15M	1	0	22.63	22.60	22.38	0	21.79	21.86	21.62	1
	1	37	22.79	22.84	22.64	0	22.03	22.04	21.96	1
	1	74	22.41	22.46	22.26	0	21.63	21.74	21.58	1
	36	0	21.85	21.90	21.84	1	20.93	20.84	20.84	2
	36	19	21.85	21.86	21.66	1	20.70	20.81	20.65	2
	36	39	21.79	21.84	21.80	1	20.88	20.85	20.79	2
	75	0	21.93	21.90	21.78	1	20.92	20.87	20.67	2
EUT with Power Reduction (P-Sensor Triggered)										
25 / 15M	1	0	12.65	12.67	12.54	0	12.55	12.67	12.52	1
	1	37	12.72	12.82	12.71	0	12.64	12.70	12.71	1
	1	74	12.61	12.71	12.60	0	12.53	12.69	12.62	1
	36	0	12.67	12.77	12.80	1	12.71	12.67	12.76	2
	36	19	12.60	12.66	12.55	1	12.51	12.67	12.60	2
	36	39	12.53	12.63	12.68	1	12.73	12.75	12.78	2
	75	0	12.75	12.77	12.74	1	12.69	12.69	12.58	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 26140	Mid CH 26365	High CH 26590		Low CH 26140	Mid CH 26365	High CH 26590	
			1860.0 MHz	1882.5 MHz	1905.0 MHz		1860.0 MHz	1882.5 MHz	1905.0 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
25 / 20M	1	0	22.64	22.64	22.46	0	21.82	21.87	21.68	1
	1	50	22.83	22.87	22.70	0	22.07	22.09	21.98	1
	1	99	22.43	22.47	22.30	0	21.69	21.76	21.61	1
	50	0	21.91	21.95	21.85	1	20.95	20.92	20.85	2
	50	25	21.86	21.88	21.71	1	20.78	20.85	20.70	2
	50	50	21.87	21.91	21.82	1	20.91	20.91	20.81	2
	100	0	21.94	21.94	21.81	1	20.93	20.92	20.75	2
EUT with Power Reduction (P-Sensor Triggered)										
25 / 20M	1	0	12.66	12.71	12.62	0	12.58	12.68	12.58	1
	1	50	12.76	12.85	12.77	0	12.68	12.75	12.73	1
	1	99	12.63	12.72	12.64	0	12.59	12.71	12.65	1
	50	0	12.73	12.82	12.81	1	12.73	12.75	12.77	2
	50	25	12.61	12.68	12.60	1	12.59	12.71	12.65	2
	50	50	12.61	12.70	12.70	1	12.76	12.81	12.80	2
	100	0	12.76	12.81	12.77	1	12.70	12.74	12.66	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 27685	Mid CH 27710	High CH 27735		Low CH 27685	Mid CH 27710	High CH 27735	
			2307.5 MHz	2310.0 MHz	2312.5 MHz		2307.5 MHz	2310.0 MHz	2312.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
30 / 5M	1	0	22.62	22.49	22.38	0	22.37	22.39	22.42	1
	1	12	22.65	22.70	22.72	0	22.41	22.47	22.44	1
	1	24	22.31	22.54	22.42	0	22.21	22.15	22.21	1
	12	0	22.11	22.10	22.10	1	21.07	21.09	21.07	2
	12	6	22.12	22.19	22.15	1	21.16	21.20	21.16	2
	12	13	22.18	22.17	22.21	1	21.11	21.13	21.16	2
	25	0	22.15	22.19	22.16	1	21.11	21.10	21.12	2
EUT with Power Reduction (P-Sensor Triggered)										
30 / 5M	1	0	11.43	11.41	11.43	0	11.35	11.37	11.40	0
	1	12	11.52	11.46	11.52	0	11.26	11.32	11.29	0
	1	24	11.38	11.35	11.42	0	11.36	11.30	11.36	0
	12	0	11.30	11.29	11.29	0	11.24	11.26	11.24	0
	12	6	11.29	11.36	11.32	0	11.29	11.33	11.29	0
	12	13	11.44	11.43	11.47	0	11.34	11.36	11.39	0
	25	0	11.26	11.30	11.27	0	11.31	11.30	11.32	0

Band / BW	RB Size	RB Offset	QPSK		3GPP MPR (dB)	16QAM		3GPP MPR (dB)
			Mid CH 27710	2310.0 MHz		Mid CH 27710	2310.0 MHz	
			2310.0 MHz	2310.0 MHz				
EUT without Power Reduction (P-Sensor NOT Triggered)								
30 / 10M	1	0	22.38		0	22.44		1
	1	24	22.59		0	22.49		1
	1	49	22.41		0	22.23		1
	25	0	22.15		1	21.15		2
	25	12	22.20		1	21.22		2
	25	25	22.22		1	21.18		2
	50	0	22.21		1	21.17		2
EUT with Power Reduction (P-Sensor Triggered)								
30 / 10M	1	0	11.48		0	11.42		1
	1	24	11.54		0	11.34		1
	1	49	11.43		0	11.38		1
	25	0	11.34		1	11.32		2
	25	12	11.37		1	11.35		2
	25	25	11.48		1	11.41		2
	50	0	11.32		1	11.37		2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 131979	Mid CH 132322	High CH 132665		Low CH 131979	Mid CH 132322	High CH 132665	
			1710.7 MHz	1745 MHz	1779.3 MHz		1710.7 MHz	1745 MHz	1779.3 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
66 / 1.4M	1	0	22.81	22.87	22.91	0	22.17	22.22	22.28	1
	1	2	23.19	23.22	23.32	0	22.42	22.40	22.58	1
	1	5	22.77	22.78	22.86	0	21.96	22.02	22.17	1
	3	0	23.21	23.25	23.44	0	22.27	22.25	22.41	1
	3	1	23.20	23.23	23.23	0	22.04	22.20	22.24	1
	3	3	23.03	23.06	23.22	0	22.09	22.10	22.27	1
	6	0	22.20	22.17	22.31	1	21.16	21.21	21.24	2
EUT with Power Reduction (P-Sensor Triggered)										
66 / 1.4M	1	0	12.33	12.30	12.34	0	12.20	12.16	12.22	1
	1	2	12.60	12.54	12.64	0	12.37	12.26	12.44	1
	1	5	12.33	12.25	12.33	0	12.15	12.12	12.27	1
	3	0	12.47	12.42	12.61	0	12.50	12.39	12.55	1
	3	1	12.44	12.38	12.38	0	12.29	12.36	12.40	1
	3	3	12.25	12.19	12.35	0	12.28	12.20	12.37	1
	6	0	12.47	12.35	12.49	1	12.43	12.39	12.42	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 131987	Mid CH 132322	High CH 132657		Low CH 131987	Mid CH 132322	High CH 132657	
			1711.5 MHz	1745 MHz	1778.5 MHz		1711.5 MHz	1745 MHz	1778.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
66 / 3M	1	0	22.83	22.89	22.90	0	22.14	22.28	22.31	1
	1	7	23.15	23.23	23.32	0	22.39	22.43	22.56	1
	1	14	22.73	22.78	22.86	0	21.99	22.02	22.17	1
	8	0	22.20	22.28	22.44	1	21.23	21.26	21.41	2
	8	3	22.13	22.23	22.25	1	21.09	21.15	21.27	2
	8	7	22.00	22.13	22.26	1	21.11	21.08	21.23	2
	15	0	22.17	22.18	22.25	1	21.16	21.15	21.27	2
EUT with Power Reduction (P-Sensor Triggered)										
66 / 3M	1	0	12.35	12.32	12.33	0	12.17	12.22	12.25	1
	1	7	12.56	12.55	12.64	0	12.34	12.29	12.42	1
	1	14	12.29	12.25	12.33	0	12.18	12.12	12.27	1
	8	0	12.46	12.45	12.61	1	12.46	12.40	12.55	2
	8	3	12.37	12.38	12.40	1	12.34	12.31	12.43	2
	8	7	12.22	12.26	12.39	1	12.30	12.18	12.33	2
	15	0	12.44	12.36	12.43	1	12.43	12.33	12.45	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 131997	Mid CH 132322	High CH 132647		Low CH 131997	Mid CH 132322	High CH 132647	
			1712.5 MHz	1745 MHz	1777.5 MHz		1712.5 MHz	1745 MHz	1777.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
66 / 5M	1	0	22.84	22.84	22.91	0	22.15	22.24	22.31	1
	1	12	23.20	23.20	23.32	0	22.36	22.46	22.55	1
	1	24	22.74	22.77	22.90	0	21.99	22.02	22.16	1
	12	0	22.23	22.28	22.41	1	21.23	21.24	21.38	2
	12	6	22.13	22.24	22.26	1	21.06	21.19	21.23	2
	12	13	22.04	22.09	22.27	1	21.06	21.10	21.26	2
	25	0	22.15	22.21	22.28	1	21.16	21.16	21.24	2
EUT with Power Reduction (P-Sensor Triggered)										
66 / 5M	1	0	12.36	12.27	12.34	0	12.18	12.18	12.25	1
	1	12	12.61	12.52	12.64	0	12.31	12.32	12.41	1
	1	24	12.30	12.24	12.37	0	12.18	12.12	12.26	1
	12	0	12.49	12.45	12.58	1	12.46	12.38	12.52	2
	12	6	12.37	12.39	12.41	1	12.31	12.35	12.39	2
	12	13	12.26	12.22	12.40	1	12.25	12.20	12.36	2
	25	0	12.42	12.39	12.46	1	12.43	12.34	12.42	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 132022	Mid CH 132322	High CH 132622		Low CH 132022	Mid CH 132322	High CH 132622	
			1715 MHz	1745 MHz	1775 MHz		1715 MHz	1745 MHz	1775 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
66 / 10M	1	0	22.81	22.87	22.91	0	22.15	22.21	22.27	1
	1	24	23.20	23.20	23.33	0	22.41	22.42	22.58	1
	1	49	22.71	22.81	22.86	0	21.99	22.03	22.13	1
	25	0	22.24	22.27	22.44	1	21.25	21.22	21.44	2
	25	12	22.19	22.18	22.26	1	21.10	21.13	21.28	2
	25	25	22.02	22.06	22.26	1	21.05	21.11	21.23	2
	50	0	22.20	22.21	22.25	1	21.20	21.15	21.28	2
EUT with Power Reduction (P-Sensor Triggered)										
66 / 10M	1	0	12.33	12.30	12.34	0	12.18	12.15	12.21	1
	1	24	12.61	12.52	12.65	0	12.36	12.28	12.44	1
	1	49	12.27	12.28	12.33	0	12.18	12.13	12.23	1
	25	0	12.50	12.44	12.61	1	12.48	12.36	12.58	2
	25	12	12.43	12.33	12.41	1	12.35	12.29	12.44	2
	25	25	12.24	12.19	12.39	1	12.24	12.21	12.33	2
	50	0	12.47	12.39	12.43	1	12.47	12.33	12.46	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 132047	Mid CH 132322	High CH 132597		Low CH 132047	Mid CH 132322	High CH 132597	
			1717.5 MHz	1745 MHz	1772.5 MHz		1717.5 MHz	1745 MHz	1772.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
66 / 15M	1	0	22.88	22.87	22.88	0	22.19	22.28	22.27	1
	1	37	23.18	23.25	23.28	0	22.40	22.43	22.58	1
	1	74	22.77	22.84	22.87	0	21.95	22.08	22.15	1
	36	0	22.21	22.28	22.45	1	21.29	21.22	21.45	2
	36	19	22.20	22.23	22.26	1	21.04	21.17	21.24	2
	36	39	22.00	22.07	22.26	1	21.10	21.09	21.26	2
	75	0	22.20	22.19	22.30	1	21.21	21.18	21.21	2
EUT with Power Reduction (P-Sensor Triggered)										
66 / 15M	1	0	12.40	12.30	12.31	0	12.22	12.22	12.21	1
	1	37	12.59	12.57	12.60	0	12.35	12.29	12.44	1
	1	74	12.33	12.31	12.34	0	12.14	12.18	12.25	1
	36	0	12.47	12.45	12.62	1	12.52	12.36	12.59	2
	36	19	12.44	12.38	12.41	1	12.29	12.33	12.40	2
	36	39	12.22	12.20	12.39	1	12.29	12.19	12.36	2
	75	0	12.47	12.37	12.48	1	12.48	12.36	12.39	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 132072	Mid CH 132322	High CH 132572		Low CH 132072	Mid CH 132322	High CH 132572	
			1720 MHz	1745 MHz	1770 MHz		1720 MHz	1745 MHz	1770 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
66 / 20M	1	0	22.89	22.91	22.96	0	22.22	22.29	22.33	1
	1	50	23.22	23.28	23.34	0	22.44	22.48	22.60	1
	1	99	22.79	22.85	22.91	0	22.01	22.10	22.18	1
	50	0	22.27	22.33	22.46	1	21.31	21.30	21.46	2
	50	25	22.21	22.25	22.31	1	21.12	21.21	21.29	2
	50	50	22.08	22.14	22.28	1	21.13	21.15	21.28	2
	100	0	22.21	22.23	22.33	1	21.22	21.23	21.29	2
EUT with Power Reduction (P-Sensor Triggered)										
66 / 20M	1	0	12.41	12.34	12.39	0	12.25	12.23	12.27	1
	1	50	12.63	12.60	12.66	0	12.39	12.34	12.46	1
	1	99	12.35	12.32	12.38	0	12.20	12.20	12.28	1
	50	0	12.53	12.50	12.63	1	12.54	12.44	12.60	2
	50	25	12.45	12.40	12.46	1	12.37	12.37	12.45	2
	50	50	12.30	12.27	12.41	1	12.32	12.25	12.38	2
	100	0	12.48	12.41	12.51	1	12.49	12.41	12.47	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 133147	Mid CH 133247	High CH 133447		Low CH 133147	Mid CH 133247	High CH 133447	
			665.5 MHz	675.5 MHz	695.5 MHz		665.5 MHz	675.5 MHz	695.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
71 / 5M	1	0	22.39	22.26	22.20	0	21.58	21.54	21.48	1
	1	12	22.86	22.73	22.72	0	22.13	22.10	22.06	1
	1	24	22.51	22.41	22.41	0	21.88	21.78	21.79	1
	12	0	21.59	21.51	21.51	1	20.57	20.45	20.46	2
	12	6	21.63	21.61	21.50	1	20.62	20.62	20.53	2
	12	13	21.73	21.65	21.70	1	20.73	20.64	20.67	2
	25	0	21.65	21.58	21.52	1	20.65	20.52	20.47	2
EUT with Power Reduction (P-Sensor Triggered)										
71 / 5M	1	0	17.76	17.71	17.70	0	17.92	17.91	17.91	1
	1	12	18.26	18.17	18.20	0	17.97	18.00	17.94	1
	1	24	17.87	17.81	17.85	0	18.00	17.91	17.94	1
	12	0	17.91	17.87	17.84	1	17.99	17.98	17.93	2
	12	6	17.83	17.87	17.80	1	18.05	18.06	17.99	2
	12	13	17.93	17.89	17.90	1	17.88	17.87	17.87	2
	25	0	17.95	17.96	17.90	1	17.83	17.79	17.78	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 133172	Mid CH 133272	High CH 133422		Low CH 133172	Mid CH 133272	High CH 133422	
			668 MHz	678 MHz	693 MHz		668 MHz	678 MHz	693 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
71 / 10M	1	0	22.36	22.29	22.20	0	21.58	21.51	21.44	1
	1	24	22.86	22.73	22.73	0	22.18	22.06	22.09	1
	1	49	22.48	22.45	22.37	0	21.88	21.79	21.76	1
	25	0	21.60	21.50	21.54	1	20.59	20.43	20.52	2
	25	12	21.69	21.55	21.50	1	20.66	20.56	20.58	2
	25	25	21.71	21.62	21.69	1	20.72	20.65	20.64	2
	50	0	21.70	21.58	21.49	1	20.69	20.51	20.51	2
EUT with Power Reduction (P-Sensor Triggered)										
71 / 10M	1	0	17.73	17.74	17.70	0	17.92	17.88	17.87	1
	1	24	18.26	18.17	18.21	0	18.02	17.96	17.97	1
	1	49	17.84	17.85	17.81	0	18.00	17.92	17.91	1
	25	0	17.92	17.86	17.87	1	18.01	17.96	17.99	2
	25	12	17.89	17.81	17.80	1	18.09	18.00	18.04	2
	25	25	17.91	17.86	17.89	1	17.87	17.88	17.84	2
	50	0	18.00	17.96	17.87	1	17.87	17.78	17.82	2

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Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 133197	Mid CH 133297	High CH 133397		Low CH 133197	Mid CH 133297	High CH 133397	
			670.5 MHz	680.5 MHz	690.5 MHz		670.5 MHz	680.5 MHz	690.5 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
71 / 15M	1	0	22.43	22.29	22.17	0	21.62	21.58	21.44	1
	1	37	22.84	22.78	22.68	0	22.17	22.07	22.09	1
	1	74	22.54	22.48	22.38	0	21.84	21.84	21.78	1
	36	0	21.57	21.51	21.55	1	20.63	20.43	20.53	2
	36	19	21.70	21.60	21.50	1	20.60	20.60	20.54	2
	36	39	21.69	21.63	21.69	1	20.77	20.63	20.67	2
	75	0	21.70	21.56	21.54	1	20.70	20.54	20.44	2
EUT with Power Reduction (P-Sensor Triggered)										
71 / 15M	1	0	17.80	17.74	17.67	0	17.96	17.95	17.87	1
	1	37	18.24	18.22	18.16	0	18.01	17.97	17.97	1
	1	74	17.90	17.88	17.82	0	17.96	17.97	17.93	1
	36	0	17.89	17.87	17.88	1	18.05	17.96	18.00	2
	36	19	17.90	17.86	17.80	1	18.03	18.04	18.00	2
	36	39	17.89	17.87	17.89	1	17.92	17.86	17.87	2
	75	0	18.00	17.94	17.92	1	17.88	17.81	17.75	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low CH 133222	Mid CH 133322	High CH 133372		Low CH 133222	Mid CH 133322	High CH 133372	
			673 MHz	683 MHz	688 MHz		673 MHz	683 MHz	688 MHz	
EUT without Power Reduction (P-Sensor NOT Triggered)										
71 / 20M	1	0	22.44	22.33	22.25	0	21.65	21.59	21.50	1
	1	50	22.88	22.81	22.74	0	22.21	22.12	22.11	1
	1	99	22.56	22.49	22.42	0	21.90	21.86	21.81	1
	50	0	21.63	21.56	21.56	1	20.65	20.51	20.54	2
	50	25	21.71	21.62	21.55	1	20.68	20.64	20.59	2
	50	50	21.77	21.70	21.71	1	20.80	20.69	20.69	2
	100	0	21.71	21.60	21.57	1	20.71	20.59	20.52	2
EUT with Power Reduction (P-Sensor Triggered)										
71 / 20M	1	0	17.81	17.78	17.75	0	17.99	17.96	17.93	1
	1	50	18.28	18.25	18.22	0	18.05	18.02	17.99	1
	1	99	17.92	17.89	17.86	0	18.02	17.99	17.96	1
	50	0	17.95	17.92	17.89	1	18.07	18.04	18.01	2
	50	25	17.91	17.88	17.85	1	18.11	18.08	18.05	2
	50	50	17.97	17.94	17.91	1	17.95	17.92	17.89	2
	100	0	18.01	17.98	17.95	1	17.89	17.86	17.83	2

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2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) (without Power Reduction)	Average power (dBm) (with Power Reduction)	Duty Cycle %
	802.11b 1Mbps		1	2412	19.82	14.05
6			2437	19.04	13.03	
11			2462	19.12	14.36	
802.11g 6Mbps		1	2412	17.12	13.58	100
		6	2437	17.68	12.44	
		11	2462	15.18	13.66	
802.11n-HT20 MCS0		1	2412	17.08	13.55	100
		6	2437	16.70	12.41	
		11	2462	14.58	13.48	
802.11n-HT40 MCS0		3	2422	15.40	12.55	100
		6	2437	14.26	12.81	
		9	2452	11.92	12.66	

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) (without Power Reduction)	Average power (dBm) (with Power Reduction)	Duty Cycle %
	802.11a 6Mbps		36	5180	18.28	8.87
40			5200	18.14	9.21	
44			5220	18.66	9.34	
48			5240	19.28	9.58	
802.11n-HT20 MCS0		36	5180	18.32	8.16	100
		40	5200	18.68	9.03	
		44	5220	18.59	9.12	
		48	5240	19.06	9.44	
802.11n-HT40 MCS0		38	5190	16.04	8.67	100
		46	5230	17.82	9.15	
802.11ac-VHT20 MCS0		36	5180	18.30	8.74	100
		40	5200	18.72	9.01	
		44	5220	18.55	8.66	
802.11ac-VHT40 MCS0		48	5240	19.18	9.61	100
		38	5190	16.52	8.42	
802.11ac-VHT80 MCS0		46	5230	17.84	9.31	100
		42	5210	16.68	9.12	

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	Mode	Channel	Frequency (MHz)	Average power (dBm) (without Power Reduction)	Average power (dBm) (with Power Reduction)	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.30	8.96	100
		56	5280	18.56	9.31	
		60	5300	18.72	9.37	
		64	5320	19.15	9.42	
	802.11n-HT20 MCS0	52	5260	18.02	8.72	100
		56	5280	18.51	9.07	
		60	5300	18.56	9.34	
		64	5320	18.80	9.38	
	802.11n-HT40 MCS0	54	5270	17.22	8.74	100
		62	5310	16.24	9.31	
	802.11ac-VHT20 MCS0	52	5260	18.08	8.74	100
		56	5280	18.42	9.11	
		60	5300	18.65	9.35	
		64	5320	18.78	9.66	
	802.11ac-VHT40 MCS0	54	5270	17.12	8.32	100
		62	5310	15.58	9.39	
802.11ac-VHT80 MCS0	58	5290	14.50	9.12	100	

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	Mode	Channel	Frequency (MHz)	Average power (dBm) (without Power Reduction)	Average power (dBm) (with Power Reduction)	Duty Cycle %
5.6GHz WLAN	802.11a 6Mbps	100	5500	19.30	9.28	100
		116	5580	19.02	9.14	
		124	5620	18.69	9.08	
		132	5660	18.80	9.11	
		140	5700	19.18	8.75	
		144	5720	18.50	8.96	
	802.11n-HT20 MCS0	100	5500	18.92	8.93	100
		116	5580	19.24	8.72	
		124	5620	18.65	9.03	
		132	5660	18.77	8.61	
		140	5700	18.54	9.11	
		144	5720	18.26	8.35	
	802.11n-HT40 MCS0	102	5510	17.88	8.77	100
		110	5550	17.46	7.86	
		126	5630	17.50	8.77	
		134	5670	17.57	8.90	
		142	5710	17.35	8.86	
	802.11ac-VHT20 MCS0	100	5500	18.98	8.97	100
		116	5580	19.26	9.21	
		124	5620	18.65	9.04	
		132	5660	18.72	9.03	
		140	5700	18.58	9.12	
		144	5720	18.32	8.44	
	802.11ac-VHT40 MCS0	102	5510	18.02	8.66	100
		110	5550	17.48	8.33	
		126	5630	17.48	8.28	
		134	5670	17.50	8.82	
142		5710	17.36	8.41		
802.11ac-VHT80 MCS0	106	5530	16.62	8.53	100	
	122	5610	14.53	8.66		
	138	5690	16.20	8.59		

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5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) (without Power Reduction)	Average power (dBm) (with Power Reduction)	Duty Cycle %
	802.11a 6Mbps	149	5745	18.45	10.17	100
		157	5785	18.32	9.63	
		165	5825	18.55	10.35	
	802.11n-HT20 MCS0	149	5745	19.10	10.23	100
		157	5785	18.62	9.91	
		165	5825	18.58	10.30	
	802.11n-HT40 MCS0	151	5755	17.86	10.02	100
		159	5795	17.42	9.71	
	802.11ac-VHT20 MCS0	149	5745	18.96	9.82	100
157		5785	18.50	9.39		
165		5825	18.58	9.93		
802.11ac-VHT40 MCS0	151	5755	17.65	8.61	100	
	159	5795	17.32	8.25		
802.11ac-VHT80 MCS0	155	5775	16.52	9.84	100	

<Bluetooth>

Mode	Bluetooth GFSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Average Power	7.58	7.76	8.65
Mode	Bluetooth $\pi/4$ -DQPSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Average Power	4.51	4.70	5.85
Mode	Bluetooth 8-DPSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Average Power	4.56	4.60	5.76
Mode	Bluetooth LE		
Channel / Frequency (MHz)	0 (2402)	19 (2440)	39 (2480)
Average Power	-4.32	-3.25	-3.76

4.6 SAR Testing Results

4.6.1 SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- (1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- (2) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- (3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

- (1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

- (2) QPSK with 100% RB allocation

SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

- (3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> 1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

- (4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is $> 1/2$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

- (1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- (3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- (4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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4.6.2 SAR Results for Body Exposure Condition (Separation Distance is 0 cm Gap)

All the test data showed in Section 4.6.2 which were copied from the original report (SA210222W001).

<GSM / WCDMA>

Band	Mode	Test Position	Separation Distance (cm)	Ch.	Power Reduction	Sample	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
GSM850	GPRS12	Rear Face	0	189	Sensor On	1	24.5	24.09	-0.02	0.645	1.10	0.71
GSM850	GPRS12	Left Side	0	189	Sensor On	1	24.5	24.09	-0.09	0.383	1.10	0.42
GSM850	GPRS12	Right Side	0	189	Sensor Off	1	30.5	29.96	0.09	0.095	1.13	0.11
GSM850	GPRS12	Top Side	0	189	Sensor On	1	24.5	24.09	0.12	0.373	1.10	0.41
GSM850	GPRS12	Rear Face	1.5	189	Sensor Off	1	30.5	29.96	0.04	0.585	1.13	0.66
GSM850	GPRS12	Left Side	0.8	189	Sensor Off	1	30.5	29.96	0.16	0.370	1.13	0.42
GSM850	GPRS12	Top Side	2.5	189	Sensor Off	1	30.5	29.96	-0.16	0.243	1.13	0.28
GSM850	GPRS12	Rear Face	0	189	Sensor On	2	24.5	24.09	-0.01	0.609	1.10	0.67
GSM1900	GPRS12	Rear Face	0	661	Sensor On	1	20.0	19.79	0.09	0.782	1.05	0.82
GSM1900	GPRS12	Left Side	0	661	Sensor On	1	20.0	19.79	0.06	0.270	1.05	0.28
GSM1900	GPRS12	Top Side	0	661	Sensor On	1	20.0	19.79	-0.16	0.379	1.05	0.40
GSM1900	GPRS12	Rear Face	1.5	661	Sensor Off	1	27.5	26.86	-0.03	0.329	1.16	0.38
GSM1900	GPRS12	Left Side	0.8	661	Sensor Off	1	27.5	26.86	-0.06	0.283	1.16	0.33
GSM1900	GPRS12	Top Side	2.5	661	Sensor Off	1	27.5	26.86	-0.01	0.158	1.16	0.18
GSM1900	GPRS12	Rear Face	0	512	Sensor On	1	20.0	19.55	0.06	0.890	1.11	0.99
GSM1900	GPRS12	Rear Face	0	810	Sensor On	1	20.0	19.77	0.01	0.796	1.05	0.84
GSM1900	GPRS12	Rear Face	0	512	Sensor On	2	20.0	19.55	-0.11	0.814	1.11	0.90
WCDMA II	RMC12.2K	Rear Face	0	9262	Sensor On	1	14.0	12.39	0.09	0.673	1.45	0.98
WCDMA II	RMC12.2K	Left Side	0	9262	Sensor On	1	14.0	12.39	0.03	0.281	1.45	0.41
WCDMA II	RMC12.2K	Top Side	0	9262	Sensor On	1	14.0	12.39	-0.14	0.275	1.45	0.40
WCDMA II	RMC12.2K	Rear Face	1.5	9262	Sensor Off	1	24.5	23.03	0.03	0.568	1.40	0.80
WCDMA II	RMC12.2K	Left Side	0.8	9262	Sensor Off	1	24.5	23.03	-0.03	0.580	1.40	0.81
WCDMA II	RMC12.2K	Top Side	2.5	9262	Sensor Off	1	24.5	23.03	-0.05	0.270	1.40	0.38
WCDMA II	RMC12.2K	Rear Face	0	9400	Sensor On	1	14.0	12.36	0.12	0.627	1.46	0.91
WCDMA II	RMC12.2K	Rear Face	0	9538	Sensor On	1	14.0	12.38	0.04	0.549	1.45	0.80
WCDMA II	RMC12.2K	Rear Face	1.5	9400	Sensor Off	1	24.5	22.99	0.14	0.551	1.42	0.78
WCDMA II	RMC12.2K	Rear Face	1.5	9538	Sensor Off	1	24.5	22.96	0.01	0.510	1.43	0.73
WCDMA II	RMC12.2K	Left Side	0.8	9400	Sensor Off	1	24.5	22.99	-0.02	0.457	1.42	0.65
WCDMA II	RMC12.2K	Left Side	0.8	9538	Sensor Off	1	24.5	22.96	-0.07	0.389	1.43	0.55
WCDMA II	RMC12.2K	Rear Face	0	9262	Sensor On	2	14.0	12.39	0.05	0.558	1.45	0.81
WCDMA IV	RMC12.2K	Rear Face	0	1312	Sensor On	1	14.0	12.43	0.05	0.659	1.44	0.95
WCDMA IV	RMC12.2K	Left Side	0	1312	Sensor On	1	14.0	12.43	-0.04	0.283	1.44	0.41
WCDMA IV	RMC12.2K	Top Side	0	1312	Sensor On	1	14.0	12.43	-0.08	0.201	1.44	0.29
WCDMA IV	RMC12.2K	Rear Face	1.5	1312	Sensor Off	1	24.5	23.15	0.1	0.617	1.36	0.84
WCDMA IV	RMC12.2K	Left Side	0.8	1312	Sensor Off	1	24.5	23.15	-0.18	0.712	1.36	0.97
WCDMA IV	RMC12.2K	Top Side	2.5	1312	Sensor Off	1	24.5	23.15	0.04	0.136	1.36	0.19
WCDMA IV	RMC12.2K	Rear Face	0	1413	Sensor On	1	14.0	12.38	0.02	0.691	1.45	1.00
WCDMA IV	RMC12.2K	Rear Face	0	1513	Sensor On	1	14.0	12.41	0.09	0.725	1.44	1.05
WCDMA IV	RMC12.2K	Rear Face	1.5	1413	Sensor Off	1	24.5	22.98	0.19	0.617	1.42	0.88
WCDMA IV	RMC12.2K	Rear Face	1.5	1513	Sensor Off	1	24.5	23.11	0.19	0.647	1.38	0.89
WCDMA IV	RMC12.2K	Left Side	0.8	1413	Sensor Off	1	24.5	22.98	-0.07	0.758	1.42	1.08
WCDMA IV	RMC12.2K	Left Side	0.8	1513	Sensor Off	1	24.5	23.11	-0.02	0.761	1.38	1.05
WCDMA IV	RMC12.2K	Left Side	0.8	1413	Sensor Off	2	24.5	22.98	0.03	0.714	1.42	1.01
WCDMA V	RMC12.2K	Rear Face	0	4182	Sensor On	1	17.5	16.07	0.08	0.561	1.39	0.78
WCDMA V	RMC12.2K	Left Side	0	4182	Sensor On	1	17.5	16.07	-0.06	0.244	1.39	0.34
WCDMA V	RMC12.2K	Top Side	0	4182	Sensor On	1	17.5	16.07	-0.16	0.304	1.39	0.42
WCDMA V	RMC12.2K	Rear Face	1.5	4182	Sensor Off	1	24.5	23.12	0.04	0.471	1.37	0.65
WCDMA V	RMC12.2K	Left Side	0.8	4182	Sensor Off	1	24.5	23.12	-0.17	0.294	1.37	0.40
WCDMA V	RMC12.2K	Top Side	2.5	4182	Sensor Off	1	24.5	23.12	-0.06	0.212	1.37	0.29
WCDMA V	RMC12.2K	Rear Face	0	4182	Sensor On	2	17.5	16.07	0.01	0.538	1.39	0.75

FCC SAR Test Report

<FDD-LTE>

Band	Mode	Test Position	Separation Distance (cm)	Ch.	Power Reduction	Sample	RB	offset	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
LTE 5	QPSK10M	Rear Face	0	20600	Sensor On	1	1	24	17.5	16.17	0.16	0.565	1.36	0.77
LTE 5	QPSK10M	Left Side	0	20600	Sensor On	1	1	24	17.5	16.17	-0.14	0.231	1.36	0.31
LTE 5	QPSK10M	Top Side	0	20600	Sensor On	1	1	24	17.5	16.17	-0.06	0.334	1.36	0.45
LTE 5	QPSK10M	Rear Face	1.5	20600	Sensor Off	1	1	24	24.0	22.62	0.02	0.413	1.37	0.57
LTE 5	QPSK10M	Left Side	0.8	20600	Sensor Off	1	1	24	24.0	22.62	-0.01	0.276	1.37	0.38
LTE 5	QPSK10M	Top Side	2.5	20600	Sensor Off	1	1	24	24.0	22.62	-0.14	0.173	1.37	0.24
LTE 5	QPSK10M	Rear Face	0	20600	Sensor On	1	25	0	17.5	16.15	0.07	0.496	1.36	0.68
LTE 5	QPSK10M	Left Side	0	20600	Sensor On	1	25	0	17.5	16.15	-0.02	0.243	1.36	0.33
LTE 5	QPSK10M	Top Side	0	20600	Sensor On	1	25	0	17.5	16.15	-0.04	0.299	1.36	0.41
LTE 5	QPSK10M	Rear Face	1.5	20600	Sensor Off	1	25	0	23.0	21.61	0.05	0.333	1.38	0.46
LTE 5	QPSK10M	Left Side	0.8	20600	Sensor Off	1	25	0	23.0	21.61	-0.06	0.220	1.38	0.30
LTE 5	QPSK10M	Top Side	2.5	20600	Sensor Off	1	25	0	23.0	21.61	-0.16	0.143	1.38	0.20
LTE 5	QPSK10M	Rear Face	0	20600	Sensor On	2	1	24	17.5	16.17	0.13	0.517	1.36	0.70
LTE 12	QPSK10M	Rear Face	0	23095	Sensor On	1	1	24	18.0	16.79	0.03	0.743	1.32	0.98
LTE 12	QPSK10M	Left Side	0	23095	Sensor On	1	1	24	18.0	16.79	-0.09	0.151	1.32	0.20
LTE 12	QPSK10M	Top Side	0	23095	Sensor On	1	1	24	18.0	16.79	-0.02	0.403	1.32	0.53
LTE 12	QPSK10M	Rear Face	1.5	23095	Sensor Off	1	1	24	24.0	22.64	0.15	0.235	1.37	0.32
LTE 12	QPSK10M	Left Side	0.8	23095	Sensor Off	1	1	24	24.0	22.64	-0.01	0.118	1.37	0.16
LTE 12	QPSK10M	Top Side	2.5	23095	Sensor Off	1	1	24	24.0	22.64	0.03	0.104	1.37	0.14
LTE 12	QPSK10M	Rear Face	0	23060	Sensor On	1	1	24	18.0	16.74	0.11	0.710	1.34	0.95
LTE 12	QPSK10M	Rear Face	0	23130	Sensor On	1	1	24	18.0	16.71	0.03	0.630	1.35	0.85
LTE 12	QPSK10M	Rear Face	0	23095	Sensor On	1	25	12	18.0	16.67	0.05	0.731	1.36	0.99
LTE 12	QPSK10M	Left Side	0	23095	Sensor On	1	25	12	18.0	16.67	-0.19	0.153	1.36	0.21
LTE 12	QPSK10M	Top Side	0	23095	Sensor On	1	25	12	18.0	16.67	-0.15	0.403	1.36	0.55
LTE 12	QPSK10M	Rear Face	1.5	23095	Sensor Off	1	25	12	23.0	21.71	0.07	0.194	1.35	0.26
LTE 12	QPSK10M	Left Side	0.8	23095	Sensor Off	1	25	12	23.0	21.71	-0.01	0.094	1.35	0.13
LTE 12	QPSK10M	Top Side	2.5	23095	Sensor Off	1	25	12	23.0	21.71	-0.15	0.079	1.35	0.11
LTE 12	QPSK10M	Rear Face	0	23060	Sensor On	1	25	12	18.0	16.62	0.08	0.732	1.37	1.01
LTE 12	QPSK10M	Rear Face	0	23130	Sensor On	1	25	12	18.0	16.59	0.01	0.727	1.38	1.01
LTE 12	QPSK10M	Rear Face	0	23095	Sensor On	1	50	0	18.0	16.53	0.06	0.647	1.40	0.91
LTE 12	QPSK10M	Rear Face	0	23060	Sensor On	2	25	12	18.0	16.62	0.05	0.698	1.37	0.96
LTE 13	QPSK10M	Rear Face	0	23230	Sensor On	1	1	24	19.0	17.73	0.06	0.661	1.34	0.89
LTE 13	QPSK10M	Left Side	0	23230	Sensor On	1	1	24	19.0	17.73	-0.11	0.240	1.34	0.32
LTE 13	QPSK10M	Top Side	0	23230	Sensor On	1	1	24	19.0	17.73	-0.03	0.546	1.34	0.73
LTE 13	QPSK10M	Rear Face	1.5	23230	Sensor Off	1	1	24	24.0	22.62	0.09	0.316	1.37	0.43
LTE 13	QPSK10M	Left Side	0.8	23230	Sensor Off	1	1	24	24.0	22.62	-0.03	0.183	1.37	0.25
LTE 13	QPSK10M	Top Side	2.5	23230	Sensor Off	1	1	24	24.0	22.62	0.05	0.129	1.37	0.18
LTE 13	QPSK10M	Rear Face	0	23230	Sensor On	1	25	12	19.0	17.64	0.06	0.677	1.37	0.93
LTE 13	QPSK10M	Left Side	0	23230	Sensor On	1	25	12	19.0	17.64	-0.01	0.255	1.37	0.35
LTE 13	QPSK10M	Top Side	0	23230	Sensor On	1	25	12	19.0	17.64	-0.04	0.526	1.37	0.72
LTE 13	QPSK10M	Rear Face	1.5	23230	Sensor Off	1	25	12	23.0	21.58	-0.01	0.255	1.39	0.35
LTE 13	QPSK10M	Left Side	0.8	23230	Sensor Off	1	25	12	23.0	21.58	0.14	0.145	1.39	0.20
LTE 13	QPSK10M	Top Side	2.5	23230	Sensor Off	1	25	12	23.0	21.58	0.05	0.129	1.39	0.18
LTE 13	QPSK10M	Rear Face	0	23230	Sensor On	1	50	0	19.0	17.56	0.05	0.663	1.39	0.92
LTE 13	QPSK10M	Rear Face	0	23230	Sensor On	2	25	12	19.0	17.64	-0.05	0.610	1.37	0.83
LTE 14	QPSK10M	Rear Face	0	23330	Sensor On	1	1	24	19.5	18.22	0.02	0.662	1.34	0.89
LTE 14	QPSK10M	Left Side	0	23330	Sensor On	1	1	24	19.5	18.22	0	0.255	1.34	0.34
LTE 14	QPSK10M	Top Side	0	23330	Sensor On	1	1	24	19.5	18.22	-0.1	0.522	1.34	0.70
LTE 14	QPSK10M	Rear Face	1.5	23330	Sensor Off	1	1	24	24.0	22.65	0.04	0.286	1.36	0.39
LTE 14	QPSK10M	Left Side	0.8	23330	Sensor Off	1	1	24	24.0	22.65	-0.08	0.175	1.36	0.24
LTE 14	QPSK10M	Top Side	2.5	23330	Sensor Off	1	1	24	24.0	22.65	-0.06	0.137	1.36	0.19
LTE 14	QPSK10M	Rear Face	0	23330	Sensor On	1	25	12	19.5	17.97	0.03	0.681	1.42	0.97
LTE 14	QPSK10M	Left Side	0	23330	Sensor On	1	25	12	19.5	17.97	-0.09	0.259	1.42	0.37
LTE 14	QPSK10M	Top Side	0	23330	Sensor On	1	25	12	19.5	17.97	-0.02	0.564	1.42	0.80
LTE 14	QPSK10M	Rear Face	1.5	23330	Sensor Off	1	25	12	23.0	21.64	0.04	0.232	1.37	0.32
LTE 14	QPSK10M	Left Side	0.8	23330	Sensor Off	1	25	12	23.0	21.64	-0.08	0.137	1.37	0.19
LTE 14	QPSK10M	Top Side	2.5	23330	Sensor Off	1	25	12	23.0	21.64	0.13	0.114	1.37	0.16
LTE 14	QPSK10M	Rear Face	0	23330	Sensor On	1	50	0	19.5	17.99	0.06	0.614	1.42	0.87
LTE 14	QPSK10M	Rear Face	0	23330	Sensor On	2	25	12	19.5	17.97	0.07	0.599	1.42	0.85

FCC SAR Test Report

Band	Mode	Test Position	Separation Distance (cm)	Ch.	Power Reduction	Sample	RB	offset	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaling Factor	Scaled SAR-1g (W/kg)
LTE 25	QPSK20M	Rear Face	0	26365	Sensor On	1	1	50	14.5	12.83	0.06	0.662	1.47	0.97
LTE 25	QPSK20M	Left Side	0	26365	Sensor On	1	1	50	14.5	12.83	-0.05	0.246	1.47	0.36
LTE 25	QPSK20M	Top Side	0	26365	Sensor On	1	1	50	14.5	12.83	-0.03	0.287	1.47	0.42
LTE 25	QPSK20M	Rear Face	1.5	26365	Sensor Off	1	1	50	24.0	22.45	0.14	0.483	1.43	0.69
LTE 25	QPSK20M	Left Side	0.8	26365	Sensor Off	1	1	50	24.0	22.45	-0.02	0.467	1.43	0.67
LTE 25	QPSK20M	Top Side	2.5	26365	Sensor Off	1	1	50	24.0	22.45	-0.03	0.227	1.43	0.32
LTE 25	QPSK20M	Rear Face	0	26140	Sensor On	1	1	50	14.5	12.75	0.07	0.706	1.50	1.06
LTE 25	QPSK20M	Rear Face	0	26590	Sensor On	1	1	50	14.5	12.78	0.06	0.606	1.49	0.90
LTE 25	QPSK20M	Rear Face	0	26365	Sensor On	1	50	0	14.5	12.82	0.09	0.715	1.47	1.05
LTE 25	QPSK20M	Left Side	0	26365	Sensor On	1	50	0	14.5	12.82	0.09	0.279	1.47	0.41
LTE 25	QPSK20M	Top Side	0	26365	Sensor On	1	50	0	14.5	12.82	-0.06	0.298	1.47	0.44
LTE 25	QPSK20M	Rear Face	1.5	26365	Sensor Off	1	50	0	23.0	21.55	0.02	0.399	1.40	0.56
LTE 25	QPSK20M	Left Side	0.8	26365	Sensor Off	1	50	0	23.0	21.55	0.09	0.388	1.40	0.54
LTE 25	QPSK20M	Top Side	2.5	26365	Sensor Off	1	50	0	23.0	21.55	-0.04	0.199	1.40	0.28
LTE 25	QPSK20M	Rear Face	0	26140	Sensor On	1	50	0	14.5	12.74	0.08	0.690	1.50	1.03
LTE 25	QPSK20M	Rear Face	0	26590	Sensor On	1	50	0	14.5	12.77	0.08	0.670	1.49	1.00
LTE 25	QPSK20M	Rear Face	0	26365	Sensor On	1	100	0	14.5	12.80	0.04	0.682	1.48	1.01
LTE 25	QPSK20M	Rear Face	0	26140	Sensor On	2	1	50	14.5	12.75	0.04	0.655	1.50	0.98
LTE 30	QPSK10M	Rear Face	0	27710	Sensor On	1	1	24	13.5	11.76	0.06	0.340	1.49	0.51
LTE 30	QPSK10M	Left Side	0	27710	Sensor On	1	1	24	13.5	11.76	-0.11	0.229	1.49	0.34
LTE 30	QPSK10M	Top Side	0	27710	Sensor On	1	1	24	13.5	11.76	-0.02	0.573	1.49	0.86
LTE 30	QPSK10M	Rear Face	1.5	27710	Sensor Off	1	1	24	24.0	22.75	-0.07	0.423	1.31	0.56
LTE 30	QPSK10M	Left Side	0.8	27710	Sensor Off	1	1	24	24.0	22.75	-0.02	0.408	1.31	0.54
LTE 30	QPSK10M	Top Side	2.5	27710	Sensor Off	1	1	24	24.0	22.75	0.01	0.507	1.31	0.67
LTE 30	QPSK10M	Rear Face	0	27710	Sensor On	1	25	25	13.5	11.69	0.01	0.338	1.52	0.51
LTE 30	QPSK10M	Left Side	0	27710	Sensor On	1	25	25	13.5	11.69	0.03	0.226	1.52	0.34
LTE 30	QPSK10M	Top Side	0	27710	Sensor On	1	25	25	13.5	11.69	-0.03	0.555	1.52	0.84
LTE 30	QPSK10M	Rear Face	1.5	27710	Sensor Off	1	25	25	23.0	21.85	0.01	0.355	1.30	0.46
LTE 30	QPSK10M	Left Side	0.8	27710	Sensor Off	1	25	25	23.0	21.85	0.07	0.343	1.30	0.45
LTE 30	QPSK10M	Top Side	2.5	27710	Sensor Off	1	25	25	23.0	21.85	-0.18	0.427	1.30	0.56
LTE 30	QPSK10M	Top Side	0	27710	Sensor On	1	50	0	13.5	11.57	-0.06	0.557	1.56	0.87
LTE 30	QPSK10M	Top Side	0	27710	Sensor On	2	50	0	13.5	11.57	0.09	0.506	1.56	0.79
LTE 66	QPSK20M	Rear Face	0	132572	Sensor On	1	1	50	14.0	12.62	0.07	0.756	1.37	1.04
LTE 66	QPSK20M	Left Side	0	132572	Sensor On	1	1	50	14.0	12.62	-0.15	0.350	1.37	0.48
LTE 66	QPSK20M	Top Side	0	132572	Sensor On	1	1	50	14.0	12.62	-0.06	0.223	1.37	0.31
LTE 66	QPSK20M	Rear Face	1.5	132572	Sensor Off	1	1	50	24.0	22.70	0.02	0.536	1.35	0.72
LTE 66	QPSK20M	Left Side	0.8	132572	Sensor Off	1	1	50	24.0	22.70	0.06	0.565	1.35	0.76
LTE 66	QPSK20M	Top Side	2.5	132572	Sensor Off	1	1	50	24.0	22.70	-0.06	0.154	1.35	0.21
LTE 66	QPSK20M	Rear Face	0	132072	Sensor On	1	1	50	14.0	12.57	0.08	0.642	1.39	0.89
LTE 66	QPSK20M	Rear Face	0	132322	Sensor On	1	1	50	14.0	12.53	0.02	0.679	1.40	0.95
LTE 66	QPSK20M	Rear Face	0	132572	Sensor On	1	50	0	14.0	12.54	0.06	0.762	1.40	1.07
LTE 66	QPSK20M	Left Side	0	132572	Sensor On	1	50	0	14.0	12.54	-0.06	0.376	1.40	0.53
LTE 66	QPSK20M	Top Side	0	132572	Sensor On	1	50	0	14.0	12.54	-0.04	0.222	1.40	0.31
LTE 66	QPSK20M	Rear Face	1.5	132572	Sensor Off	1	50	0	23.0	21.77	-0.08	0.502	1.33	0.67
LTE 66	QPSK20M	Left Side	0.8	132572	Sensor Off	1	50	0	23.0	21.77	-0.13	0.521	1.33	0.69
LTE 66	QPSK20M	Top Side	2.5	132572	Sensor Off	1	50	0	23.0	21.77	-0.14	0.152	1.33	0.20
LTE 66	QPSK20M	Rear Face	0	132072	Sensor On	1	50	0	14.0	12.49	0.02	0.671	1.42	0.95
LTE 66	QPSK20M	Rear Face	0	132322	Sensor On	1	50	0	14.0	12.45	0.17	0.682	1.43	0.97
LTE 66	QPSK20M	Rear Face	0	132572	Sensor On	1	100	0	14.0	12.44	0.02	0.740	1.43	1.06
LTE 66	QPSK20M	Rear Face	0	132572	Sensor On	2	50	0	14.0	12.54	0.07	0.698	1.40	0.98
LTE 71	QPSK20M	Rear Face	0	133222	Sensor On	1	1	50	20.0	18.88	0.06	0.656	1.29	0.85
LTE 71	QPSK20M	Left Side	0	133222	Sensor On	1	1	50	20.0	18.88	-0.08	0.177	1.29	0.23
LTE 71	QPSK20M	Top Side	0	133222	Sensor On	1	1	50	20.0	18.88	0.01	0.538	1.29	0.70
LTE 71	QPSK20M	Rear Face	1.5	133222	Sensor Off	1	1	50	24.0	22.82	0.05	0.143	1.31	0.19
LTE 71	QPSK20M	Left Side	0.8	133222	Sensor Off	1	1	50	24.0	22.82	0.01	0.098	1.31	0.13
LTE 71	QPSK20M	Top Side	2.5	133222	Sensor Off	1	1	50	24.0	22.82	-0.03	0.061	1.31	0.08
LTE 71	QPSK20M	Rear Face	0	133322	Sensor On	1	1	50	20.0	18.85	0.03	0.644	1.30	0.84
LTE 71	QPSK20M	Rear Face	0	133372	Sensor On	1	1	50	20.0	18.82	0.09	0.639	1.31	0.84
LTE 71	QPSK20M	Rear Face	0	133222	Sensor On	1	50	50	20.0	18.57	0.06	0.667	1.39	0.93
LTE 71	QPSK20M	Left Side	0	133222	Sensor On	1	50	50	20.0	18.57	-0.02	0.178	1.39	0.25
LTE 71	QPSK20M	Top Side	0	133222	Sensor On	1	50	50	20.0	18.57	0.01	0.554	1.39	0.77
LTE 71	QPSK20M	Rear Face	1.5	133222	Sensor Off	1	50	50	23.0	21.75	-0.04	0.116	1.33	0.15